XANTÉ
IMPRESSIA
METAL PLATESETTER
QUICK REFERENCE MANUAL

User's Guide

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Safety Information

The printer generates a small amount of ozone gas during image transfer in the printing process. When shipped from the factory, the printer meets the Underwriter's Laboratory (UL) standard for ozone emssion.

An invisible laser beam which radiates inside the laser printer's scanner unit can cause permanent eye damage. DO NOT disassemble or try to adjust the laser scanner unit.

FCC Classification

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Shielded cables must be used with this unit to ensure compliance with the FCC Class A limits.

Power Information

220/240 V Version:220/240 VAC (198-264 V), 50/60 Hz (47-63 Hz), 3.2 A

Power Cord

The power cord is the main disconnect device. It should be plugged into an easily accessible outlet.

For 230 Volt Configuration

The power cord to be used with 230 Volt configuration is minimum type SJT (SVT) 18/3, rated 250 Volts ac, 10 Amps with a maximum length of 15 feet. One terminated in an IEC 320 attachment plug. The other end is terminated as required by the country where it will be installed.

Manufacturer's Declaration of Conformity

The Product Xanté Impressia Metal PlateSetter has been designed and manufactured in accordance with the following international standards:

EN 50081-1	"Generic Emissions Standard for Residential, Commercial and Light Industrial Products of" 01, Feb. 1991
EN 50082-1	"Generic Immunity Standard for Residential, Commercial and Light Industrial Products of" 01, Feb. 1991
EN 55022	"Limits and Methods of Measurement of Radio Interference Information Technology Equipment of" 14, April 1987
IEC 1000-4-2	"Testing Measurement Techniques, Electrostatic Discharge of" 1995, First Edition
IEC 1000-4-3	"Testing and Measurement Techniques, Radio Frequency, Electromagnetic Field Immunity Test of" 1995 First Edition
IEC 1000-4-4	"Testing and Measurement Techniques, Electrical Fast Transient/Burst Immunity Test of" 1995 First edition
MIL-STD-45662A	"Calibration System Requirements"
EN 60950	"Safety of Information Technology Equipment including Electrical Business Equipment"

I, the undersigned, hereby declare that the equipment specified above conforms to the above Directives and Standards

Robert C. Ross Jr.

Place Mobile, Alabama

Date December 7, 1995

Robert C. Ross, Jr.
President

Colophon

This manual was written using Adobe InDesign, Adobe PageMaker, Adobe Acrobat, Adobe Photoshop, Adobe Illustrator, FreeHand, and Microsoft Word. The typefaces for the main body of the manual are Times New Roman, Arial, Times, Helvetica, Symbol, and Courier.

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XANTÉ

IMPRESSIA
METAL PLATESETTER

Chapter 1 - Introduction

Xanté Impressia Metal PlateSetter Overview

Congratulations on your purchase of a new Xanté Impressia Metal PlateSetter. You've eliminated the use of hazardous chemicals, lowered your imaging costs, and protected the environment just by purchasing an Impressia.

This innovative platesetter is designed to meet the needs for high-quality, economical, fast, metal plate imaging in small format print shops. The Impressia is Xanté's first product to feature the all new Z-7 Technology. This technology incorporates the following unique blend of 7 established and new technologies, offering the most advanced Computer to Plate (CTP) imaging in the market.

- Metal Imaging Technology—allows imaging directly to process-free Aspen Metal Plates in a user friendly manner.
- Aspen Metal Plate Technology—allows process-free, consistent, repeatable output results, unaffected by lighting, varying emulsions, or fluctuating darkroom conditions.
- Radiant Exposure Technology—enables using radiant light to effectively image onto Aspen Metal Plates.
- Clean Plate Technology—eliminates toning, picture framing, and scumming on the press.
- True Adobe PostScript 3—solves compatibility issues while maintaining a user-friendly interface that does not require extensive training.
- Halftone Calibration Technology—allows you to calibrate the halftones on your Impressia for each supported LPI setting.
- More X-ACT (patented Xanté Accurate Calibration Technology)—allows you to calibrate your Impressia's line lengths and to correct inaccuracies in imaging width, height, skew, and angle.

With your Impressia, you can image metal plates from 10.00" x 15.00" (254 mm x 381 mm) to 13.375" (340 mm) x 19.875" (505 mm) plates. The patent pending Impressia Metal PlateSetting Technology allows you to produce quality Aspen Metal Plates that are immediately ready for the press with no intermediate steps required.

Manual Location on CD-ROM

You can open and view the Impressia's documentation from the Xanté Utilities CD-ROM. The following files are located in the Manuals folder.

- Imp_Manual.pdf—This is the Impressia User's Manual
- Imp_QRM.pdf—This is the Quick Reference Manual
- Imp_Menu.pdf—This is the Quick Reference Sheet that illustrates the Impressia's front panel menus.

Acrobat Reader needs to be installed to view the manual. You can download Acrobat Reader from Adobe's web site (www.adobe.com) or from the Adobe folder on the Impressia Utilities CD-ROM.

Adobe Folder

The Adobe folder on the Impressia Utilities CD-ROM includes commonly used Adobe Programs as well as alternate language drivers and older OS support files.

Product Registration

Don't forget to register your Impressia so that you'll receive the special $50 discount toward your next purchase of Xanté consumables. You can register online (www.xante.com/webform/register_printers.aspx) or return the warranty sheet included with your Impressia.

Access Xanté On-line Support

You can go to the Xanté web site (www.xante.com) for quick access to Impressia drivers, frequently asked questions, download files, etc.

Impressia Metal PlateSetter Specifications

The following chart lists Impressia specifications.

Impressia Metal PlateSetter Specifications

Plates	Aspen Metal Plates
Maximum Plate Size	13.38" x 19.87" (340 x 505 mm)
Minimum Plate Size	10" x 15" (254 x 381 mm)
Plate Thickness	6 mil (.15 mm)
Run Length	25,000 impressions
Resolution	2400 x 2400 dpi
Line Screen	150
Productivity	60 plates per hour
Power Requirements	220-240 VAC, 50-60 Hz; 15 Amp, single phase
Weight	112 lbs
Dimensions	W-34" x H-24 1/2" x D-23"
Operating Environment	Daylight-safe, 60°-80° F (15.5°-26.6°C), 40%-80% Relative Humidity (non-condensing) pressroom, pre-press or general office environment

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Chapter 2 - Installation

Introduction

This installation chapter covers selecting a location for the Impressia as well as unpacking, setting up, becoming familiar with, and connecting your Impressia.

Impressia Location

When setting up a location for your Impressia pick one that can support its weight and can provide sufficient operation and maintenance clearance. To prevent overheating, allow at least 8.0" (200 mm) clearance for the Impressia's side vent.

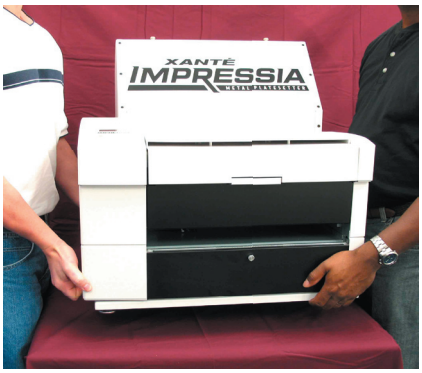
Unpacking the Impressia Package

Unpack your Impressia and save the packing materials.

1. Remove the items packed on top of the Impressia.

2. Remove the shipping stabilizer on top of the Impressia; then, use two people to lift the Impressia out of the box.

   The Impressia weighs approximately 110 lbs. (50 kg.) with the imaging unit installed. Always have two people lift the Impressia, using the recessed grip areas on the right and left sides.



Lifting the Impressia

3. Remove the plastic wrap, tape, and shipping stabilizers from all of the items. Then, check to be sure you have all the following items.

   - Xanté Impressia Metal PlateSetter
   - Input Tray (with wrenches and 2 screws)
   - Output Tray
   - Quick Reference Manual
   - Power cord
   - Impressia Utilities CD-ROM
   - Imaging Units (2)
   - Exit Feed Roller

   If you ordered an option (the Internal hard disk or 340 upgrade) with your Impressia, the option is already factory installed and ready to go.

If you didn't receive your full shipment or if anything was damaged, call our Customer Support at 800-926-8393 or 251-473-4920 (US and Canada), +31-(0)26-319.32.10 (Europe), or your authorized Impressia dealer.

Input Tray Installation

To install the input tray

Install the Input Tray

1. Remove the thumb screw on the bottom front cover of the Impressia and lift off that cover.

2. Install the Input tray so that the tray rests into position with the plastic knob seated into the frame. The Input tray will install with the Optical Mouse sensor located on the top left side of the input tray and the plastic strip (if applicable to your Input tray) is inserted first. Connect the Optical Mouse sensor wire and tuck the wires out the way of the feed path.

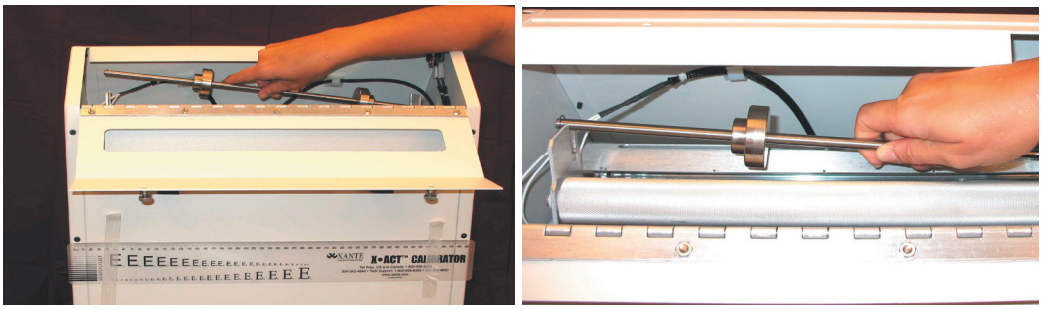
3. Reach under the tray and install the two input tray screws with an included Allen wrench to secure the tray in place. Be sure to connect the Optical Mouse Sensor on the Input Tray and the Plate Guide.

4. Replace the bottom front cover and secure it into place with its thumb screw. Install the Plate Guide.

Exit Roller Installation

To install the exit roller

1. Undo the two thumb screws on the exit door and open the door.



Install the Exit Roller

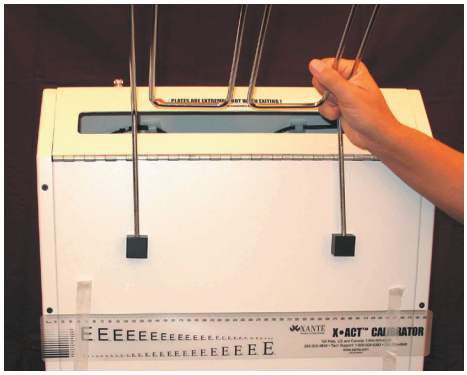
2. The exit roller rest in two slots on the fuser assembly. Secure the exit door.

The exit roller is adjustable to accomodate several different sizes of plates. To adjust the rollers, loosen the screws on the roller and adjust to desired position, then secure the screws and reinstall the exit roller assembly.

Output Tray Installation

To install the output tray

1. Align the two openings on the base of the output tray over the two output tray brackets on the back of the Impressia.



Install the Output Tray

2. Lower the output tray onto the brackets making sure the posts of the output tray slide into the grooves and the tray is secured in the brackets.

Imaging Unit

The Impressia's imaging unit combines the dry toner and an imaging drum. This unit can image approximately 2,500 plates at 35% coverage on 10.00" x 15.00" (254 mm x 381 mm) size.

The Xanté Impressia imaging unit is a custom consumable and not compatible with any other Xanté imaging devices. Use of any imaging unit other than that specifically for the Impressia will cause permanent damage to that consumable; Xanté will not replace such damaged consumable.

Handling the Imaging Unit

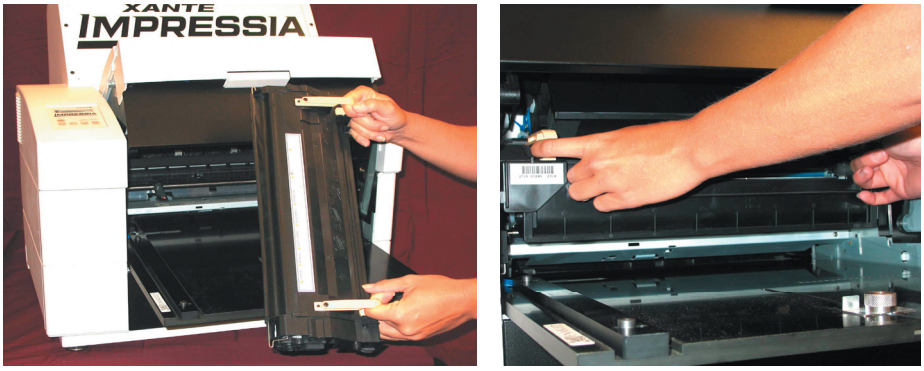
Use these guidelines to ensure maximum life and image quality from your imaging unit and to prevent unit or Impressia damage:

- Use only a Xanté Impressia imaging unit. This is a custom consumable.
- Use imaging units before their expiration date. Shelf life is approximately 1 year after shipping.
- Never move the Impressia with the imaging unit installed.
- Don't expose the imaging unit to bright lights or direct sunlight. Instead, keep the unit in its protective bag until installation. If you remove the unit temporarily, place it in the original bag or wrap it well to protect it from light.
- Don't open the drum shutter or touch the drum's surface. The shutter protects the photosensitive drum from light.
- Keep the unit away from computer hard disks and monitors so that the magnet in the unit won't cause data loss or equipment damage.
- Store unopened units right side up on a level surface.
- Always set the opened unit flat with the handles on the top.

Removing and Installing the Imaging Unit

Do not attempt to refill the imaging unit. Impressia damage caused by a refilled imaging unit is not covered by your Impressia warranty.

1. Remove any plate that may be in the output tray. Then, squeeze the top cover handle to release the lock and lift the top cover to open it.



Shake the Imaging Unit before installing it into the Impressia

2. Remove the imaging unit by grasping the unit's handles and pulling the unit slowly out of the Impressia.

   Once you begin pulling the imaging unit out of the Impressia, remove it completely. The unit's shutter may not open properly or may be damaged if the unit is pulled partially out and then pushed back into the Impressia.

3. Remove the new Xanté Impressia imaging unit from its package.

   The Xanté Impressia imaging unit is a custom consumable, not compatible with any other Xanté imaging devices. Use of any unit other than that specifically for the Impressia will cause permanent damage to that consumable; Xanté will not replace such damaged consumable.

4. Shake the imaging unit gently several times to distribute toner evenly throughout.

   Shake the imaging unit enough to free any compacted toner.

5. Place the imaging unit on a flat surface, holding it in place with one hand. Grasp the sealing tape's end tab and pull the tape straight out.

   If the tape is pulled out at an angle, it may break off inside the unit.

6. Slide the unit into Impressia making sure the unit's side pins fit into the guide channels, and that when the unit stops, it is seated firmly into place.

7. Close the top cover, pressing down on the center section until the lock engages.

When you replace an imaging unit, you may find the new unit produces lighter output. This is because a new unit full of toner may need to print 20-30 plates before the toner is distributed evenly. To compensate for this tendency and to save plates, use the density dial to decrease or increase density as needed.

Connecting the Power Cord

1. Make sure the Impressia's power switch is off (the **O** is pressed in).
2. Connect the power cable's female connector to the back of the Impressia and the male connector to a power outlet.

   Plug the Impressia into a dedicated properly grounded outlet. Do not use an extension cord. Use a surge protected outlet to help prevent fluctuations in the power source from damaging your Impressia. Never use a damaged power cord. Check the cord and plug monthly and replace immediately if you find rust, tears, cracks, or other damage.

Connect Power Cord

Turning the Impressia On

Press the **–** on the green power switch to turn on the Impressia.

Impressia initialization takes approximately 45 seconds. When Ready displays, the Impressia is ready to accept your imaging jobs.

Turning the Impressia Off

1. Verify that the Ready message displays.
2. Press **O** on the power switch to turn off the Impressia.

   When the Impressia is turned off, job information in memory is lost.

Port Connection: Ethernet Port

Your Impressia has a 10/100BaseT Ethernet port that features fast connection, ensured network compatibility, and cross-platform compatibility. This simultaneously active interface can receive jobs from different operating environments without you having to fuss with hardware switching.

Use a CAT 5 Ethernet cable with RJ45 connectors to connect your Impressia to your host computer.

Connect to Ethernet Port

You can connect two Ethernet devices together, bypassing a hub, using a crossover/patch cable.

To connect to the Ethernet port

1. Turn off your Impressia.
2. Connect one end of the CAT 5 Ethernet cable to your Impressia's Ethernet port.
3. Connect the cable's other end to the appropriate port on your network or directly to your Macintosh/PC if you are using a crossover patch cable or directly to your hub if using a standard CAT 5 Ethernet cable.

Configuring Impressia's IP Address, Network Class, and Subnet Mask

Use the front panel menu keys to set the Impressia's IP address, class, and mask as follows:

- Reset key increases the current number flashing by one.
- Menu key moves to the next number to the right of the current number flashing.
- Left Arrow key moves to the next number to the left of the current number flashing.
- Enter key accepts new address (if valid) and returns to Network: IP Address menu. The menu will display a message if the address entered is invalid.

You must turn the Impressia off and restart it for the new IP address to take effect. Check with your Network Administrator for the correct settings.

To set the IP address, network class, and net mask

1. Make sure the Impressia is on and ready. Then, press the Menu key until Setup: Network appears.
2. Press the Enter key to enter the Network menu.
3. Set the IP address, network class, and network mask settings.
   a. Press the Menu key until the appropriate menu (IP Address, Net Class, or Subnet Mask) appears.
   b. Press the Enter key to enter the selected menu.
   c. Use the Reset, Menu, Next, and Enter keys to change and accept the new settings. (See the beginning of this section for details on using these keys.)
4. Reboot your Impressia, and go to **DOS (Command) Prompt or Network Utility for OS X** to ping the Impressia. Then, type the following (substituting the correct IP address for <IP ADDRESS>; for example if your IP address is 1929.200.204, you would type PING 192.9.200.204 ↵ at the DOS prompt).

   PING <IP ADDRESS> ↵

   You may also test communication by typing the IP address into the address line of Internet Explorer to gain access to the internal Impressia browser utilities pages.

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Chapter 3 - Macintosh Setup

Introduction

This chapter covers installing utilities, drivers, the PPD, and related files on Macintosh hosts for OS X and OS 9.

Before beginning setup, you should be familiar with standard Macintosh procedures.

Software Installation and Configuration OS X

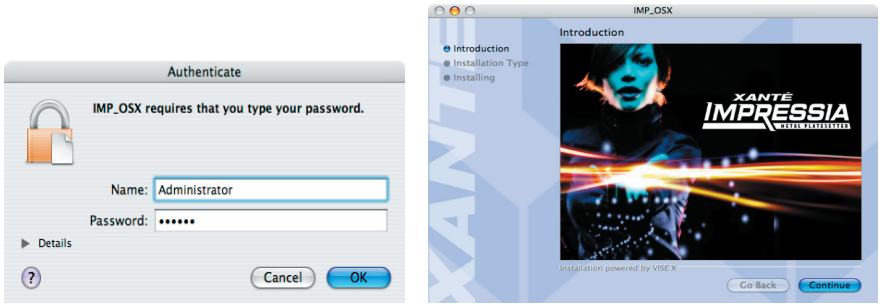
Installation depends on your Macintosh OS version. Go to the Impressia Installation section for your OS version.

Macintosh OS X Impressia Installation

This section describes how to install your Impressia on your Macintosh OS X operating system.

You must be an admin user to install drivers.

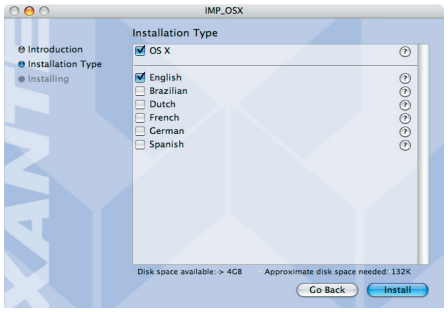
1. Insert the Impressia Utilities CD-ROM into your Macintosh. Double-click the OSX_setup icon; the Authenticate window appears.



Authenticate Window and Introduction Window

2. Type in your admin name and password; then, click OK. The Impressia Introduction window appears.

3. Click Continue. The Select Destination window appears.



Installation Type Window

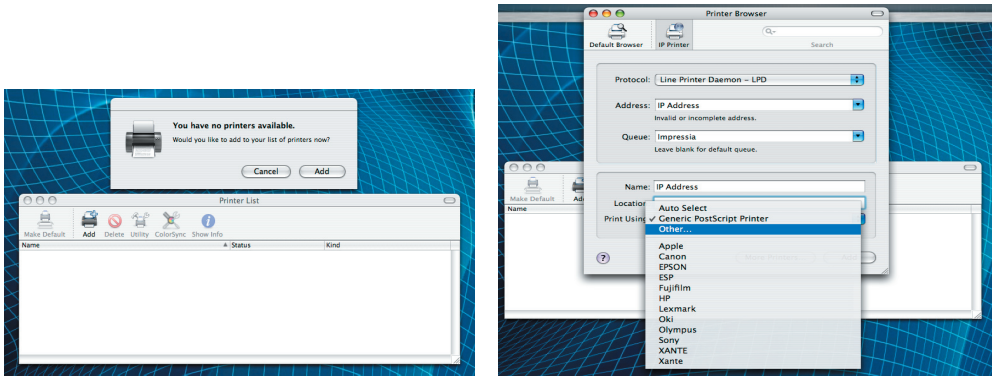
4. Select your hard drive as the destination; then click Continue. The Installation Type window appears.

5. Select OS X Only and/or Include Classic; then click Install. The Print Setup Utility and teh Web Registration Page open automatically. The Printer List window appears.

6. Select Add. Then select IP Printing from the drop-down menu. The IP Printing window appears..

7. Enter your Impressia's IP Address int he Printer Address field and enter Impressia in the Queue Name field.

8. Select Xante from the Printer Model drop-down menu, highlight the Impressia under Model Nmae; then click Add. The Printer List wiindow reappears with your Impressia listed.



Add Printer Window and Printer List Window

The printer or platesetter whose name appears in bold type is the default. To change the default to your Impressia, highlight your Impressia, go to the Printers Menu and select Set As Default; the Impressia's name now appears in bold type.

To locate your Impressia's PPD manually go to Hard Drive: Library: Printers: PPDS: Contents: Resources: EN.LPROJ Folder. Return to step.

9. Highlight the Impressia under Name in the Printer List window. Then select Printer: Show Info from the top of the screen. When the Printer Info window appears, configure the Impressia's options.

   a. Select Installable Options from the drop-down menu if necessary.

   b. Installable options configuration is only available on OS X 10.2 and above.

   c. Uncheck the 340mm Option if it is not installed on your Impressia.

   d. Click Apply Changes. Then close the Printer Info window.

10. Close the Printer List window, quit the setup, and register your Impressia using the registration procedure at the end of this chapter.

For details on selecting Impressia PPD options, see Chapter 5..

Software Installation and Configuration OS 9

This section software installation and configuration for OS 9 systems. You need to begin by configuring for EtherTalk.

Configuring EtherTalk (OS 9)

To set up your Impressia on an EtherTalk network

1. Connect your Impressia to the network through the Ethernet port.

2. Configure your Macintosh for EtherTalk for a Macintosh with OS 8X-9.22.

   a. Go to the Apple menu, select Control Panels.

   b. Select AppleTalk. Then, select Ethernet from the drop-down menu.

3. Change the EtherTalk Zone name, if necessary using the Set EtherTalk Zone option available via your browser.

On an EtherTalk network with more than one zone, the network router assigns your Impressia a default zone. Check with your Network Administrator to determine the correct zone for your Impressia.

Adobe PostScript Printer Driver and Impressia PPD Installation (OS 9)

The AdobePS Printer driver and your Impressia's PPD must be installed before using your Impressia. They are loaded onto your system during the Impressia installation covered in this section.

During this installation process, you also can install appropriate printer description files for your Impressia for ScenicSoft Preps, PageMaker 6-7, PageMaker 5, and/or QuarkXPress 3.x.

To install Xanté Utilities, your Impressia's PPD, and your Impressia's application PPDs

1. Insert the Impressia Utilities CD-ROM into your Macintosh. Double-click the Setup OS9 icon to open the Main Impressia window.

2. Click Continue when the Xanté Impressia window appears. The Read Me window appears.

3. Click Save As and save the Read Me to the desired location to read it later. Then, click Continue to open the Install window.

4. Make sure that Custom Install is selected in the top, left drop-down menu and that AdobePS 8.8 Driver and Xante Printer Description are selected. Then, select the appropriate software (PageMaker, QuarkXPress, and/or ScenicSoft Preps) if that software is installed on your system.

   If you previously ran the Xanté Impressia installation and you want to remove the files, the top, left drop-down menu includes an Uninstall option to remove them.

5. Change the installation destination for the files in the Install Location box if necessary.

   You can quit installation by clicking Quit. To remove the files, use the Uninstall option to remove them.

6. Click Install. Then, if you selected any of the listed software (PageMaker, QuarkXPress, or ScenicSoft Preps) in step 4, continue to step 7. Otherwise, skip to step 8.

7. Read the Application Location window instructions and click OK. Then, follow those instructions to locate and select the appropriate application folder(s).

8. Wait until the Installation was Successful window appear; then, click Quit.

9. Fill out and submit the Registration form.

10. Select Apple: Chooser from the top of the window. The Chooser window appears.

11. Highlight the AdobePS icon at the upper left and your Impressia on the right. Then click Create.

12. Wait until your system finishes the Impressia setup and the Chooser window reappears; an icon now appears in front of the Impressia's name. Close the Chooser.

For details on selecting Impressia PPD options, see Chapter 5.

CD-ROM Overview (Macintosh)

You can access and control many Impressia Metal PlateSetter features via programs and PostScript files on the Impressia Utilities CD-ROM.

In a Macintosh OS 9 or Classic environment, you can use the Adobe Downloader program on the CD-ROM to download PostScript files and fonts to your Impressia; or, you also can drag and drop the file onto the desktop printer icon. For OS X you can drop files into the print queue window.

PS_Files Folder

The PS_Files folder on the Impressia Utilities CD-ROM contains Adobe PostScript files. These files can help you in such areas as keeping track of your Impressia's status, performing specific functions, and printing font samples. See the Description.txt file for a description of each file.

Older Application Support (PageMaker, QuarkXPress, ScenicSoft Preps)

PageMaker, QuarkXPress 3.x, and ScenicSoft Preps require specialized files. These files can be selected during the OS 9 setup installation or manually installed from the CD-ROM.

Adobe Support

The Impressia Utilities CD-ROM provides support for some frequently used Adobe products. These files are located in the Adobe folder on the CD-ROM.

Manual Installation and Alternate Language Installations

You can perform manual installations and alternate language installation from the Impressia CD-ROM. These are located at Adobe: AdobePS: <your OS> folder.

To install an alternate language version, double-click on the language file and the file automatically unstuffs and puts the installer for the chosen language onto the desktop. Then, double-click that installer to open it and begin installation.

Register Your Impressia

When you register your Impressia, you will receive a $50 discount toward your next purchase of Xanté consumables. Register your Impressia using the following appropriate procedure.

If you are online when you install your Impressia, the Xanté installer opens your browser and a product registration form.

1. Fill out and submit the form.
2. Close your browser.

If you are not online, do the following.

1. Go to the Main Impressia Window.
2. Double-click the Xante icon; then, double-click the XTRegister icon.
3. Double-click the PrintReg.pdf icon to open a registration form.
4. Print the form; then after your finish the Impressia setup, fill out and mail or fax the registration to Xanté.
5. Close the Registration form window.

If Adobe Acrobat Reader is not on your system, it is available in the Adobe folder on the Impressia Utilities CD-ROM.

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Chapter 4 - Windows Setup

This chapter covers connecting the Xanté Impressia Metal PlateSetter and installing utilities, drivers, and related files on PC hosts.

PPD Installation Windows 98/Me/2000/NT/XP

This section covers installing utilities, setting up a network connection, and configuring a remote Impressia running in LPR mode. You must set up the IP information first; see chapter 2 for details.

Windows 98/Me setup requires the use of the Xante Win 98/Me LPR tool. This utility allows you to communicate to your Impressia through the LPR port.

Installing the PPD and AdobePS Driver

The installing utilities process installs your Impressia's PPD and selected application PDFs or PPDs. Then, it launches the Adobe PostScript Printer Driver installer.

Impressia Utilities CD-ROM Documentation is in Adobe Acrobat Portable Documentation Format (PDF). Use Adobe Acrobat Reader (included on the utilities CD-ROM) to read this documentation.

To Install Utilities and Drivers

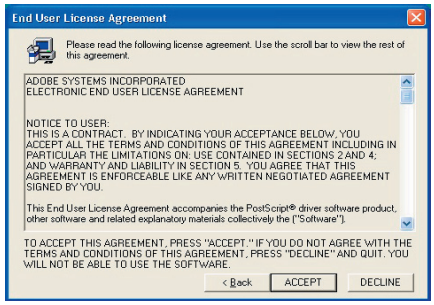
1. Insert the Xanté Utilities CD-ROM into your PC. The Impressia Utilities Installer should launch automatically. A Starting Impressia setup window appears, followed by the Xanté Impressia Installation window.

Impressia Setup Window and Impressia Installation Window

2. Select Xanté Driver from the Select Xanté Installation drop-down menu; then, select desired language if needed. Click Continue and wait until the progress windows finish and the Installation Was Successful window appears. Adobe PostScript Window appears.

If you click Continue without selecting installation software, a Did Not Select Software message appears. Click OK to go back to Impressia Installation window.

3. Wait for the Setup windows to finish processing. When the Adobe Welcome window appears, read it.

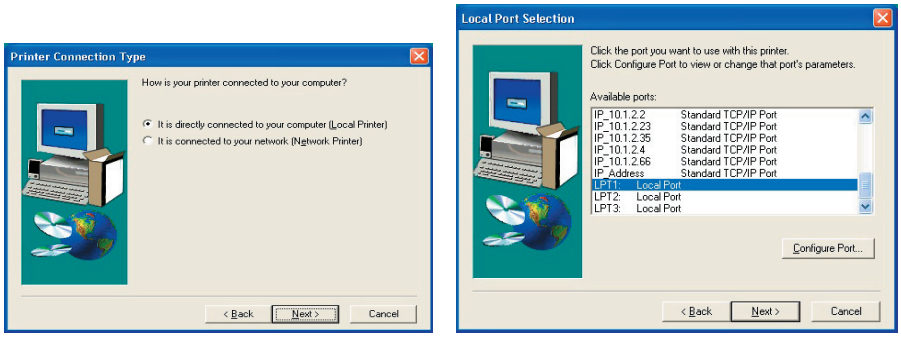

End User License Agreement
Please read the following license agreement. Use the scroll bar to view the rest of this agreement.
ADOBE SYSTEMS INCORPORATED
ELECTRONIC END USER LICENSE AGREEMENT
NOTICE TO USER:
THIS IS A CONTRACT. BY INDICATING YOUR ACCEPTANCE BELOW, YOU ACCEPT ALL THE TERMS AND CONDITIONS OF THIS AGREEMENT INCLUDING IN PARTICULAR THE LIMITATIONS ON: USE CONTAINED IN SECTIONS 2 AND 4; AND WARRANTY AND LIABILITY IN SECTION 5. YOU AGREE THAT THIS AGREEMENT IS ENFORCEABLE LIKE ANY WRITTEN NEGOTIATED AGREEMENT SIGNED BY YOU.
This End User License Agreement accompanies the PostScript® driver software product, other software and related explanatory materials collectively the ("Software").
TO ACCEPT THIS AGREEMENT, PRESS "ACCEPT." IF YOU DO NOT AGREE WITH THE TERMS AND CONDITIONS OF THIS AGREEMENT, PRESS "DECLINE" AND QUIT. YOU WILL NOT BE ABLE TO USE THE SOFTWARE.
< Back
ACCEPT
DECLINE

License Agreement Window

4. Click Next. When the License Agreement window appears, read it; then, click Accept.

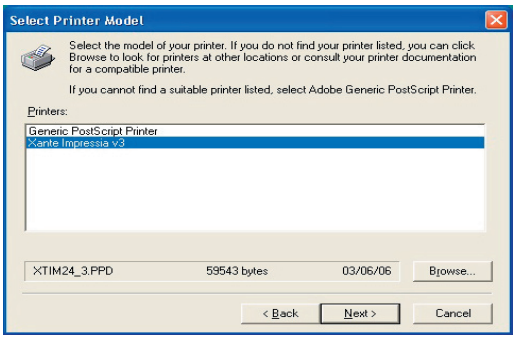
5. Select It is directly connected to your computer (Local Printer). Then, select the local port and click Next.

You must select the local printer option at this point. However, you can configure or choose a diffeent port after the main installation.


Printer Connection Type
How is your printer connected to your computer?
It is directly connected to your computer (Local Printer)
It is connected to your network (Network Printer)
< Back
Next >
Cancel
Local Port Selection
Click the port you want to use with this printer.
Click Configure Port to view or change that port's parameters.
Available ports:
IP_10.1.2.2 Standard TCP/IP Port
IP_10.1.2.23 Standard TCP/IP Port
IP_10.1.2.35 Standard TCP/IP Port
IP_10.1.2.4 Standard TCP/IP Port
IP_10.1.2.66 Standard TCP/IP Port
IP_Address Standard TCP/IP Port
LPT1: Local Port
LPT2: Local Port
LPT3: Local Port
Configure Port...
< Back
Next >
Cancel

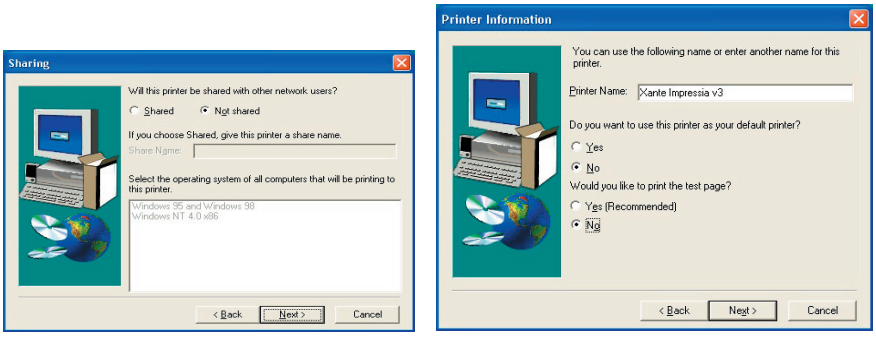
Printer Connection Type Window and Port Window

6. Select your Impressia model; then, click Next.

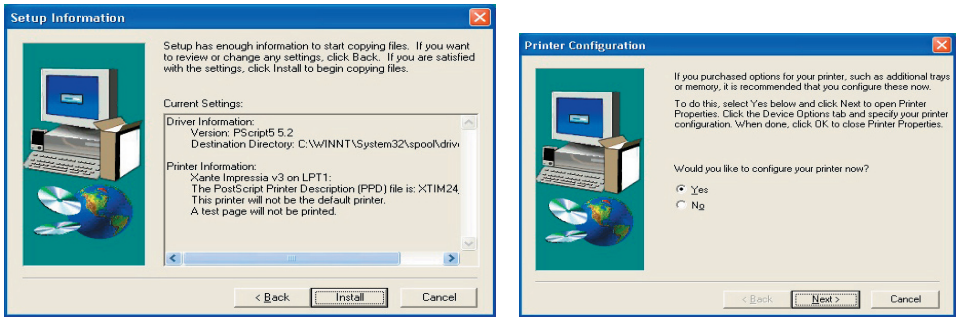

Select Printer Model
Select the model of your printer. If you do not find your printer listed, you can click Browse to look for printers at other locations or consult your printer documentation for a compatible printer.
If you cannot find a suitable printer listed, select Adobe Generic PostScript Printer.
Printers:
Generic PostScript Printer
Xante Impressia v3
XTIM24_3.PPD
59543 bytes
03/06/06
Browse...
< Back
Next >
Cancel

Select Printer Model Window

7. Select Not Shared and click Next. Then, select No to print the test page and then click Next.


Sharing
Will this printer be shared with other network users?
Shared
Not shared
If you choose Shared, give this printer a share name.
Share Name:
Select the operating system of all computers that will be printing to this printer.
Windows 95 and Windows 98
Windows NT 4.0 x86
< Back
Next >
Cancel
Printer Information
You can use the following name or enter another name for this printer.
Printer Name: Xante Impressia v3
Do you want to use this printer as your default printer?
Yes
No
Would you like to print the test page?
Yes (Recommended)
No
< Back
Next >
Cancel

Shared Window and Printer Information Window


Setup Information
Setup has enough information to start copying files. If you want to review or change any settings, click Back. If you are satisfied with the settings, click Install to begin copying files.
Current Settings:
Driver Information:
Version: PScript5 5.2
Destination Directory: C:\WINNT\System32\spool\driv
Printer Information:
Xante Impressia v3 on LPT1:
The PostScript Printer Description (PPD) file is: XTIM24.
This printer will not be the default printer.
A test page will not be printed.
< Back
Install
Cancel
Printer Configuration
If you purchased options for your printer, such as additional trays or memory, it is recommended that you configure these now.
To do this, select Yes below and click Next to open Printer Properties. Click the Device Options tab and specify your printer configuration. When done, click OK to close Printer Properties.
Would you like to configure your printer now?
Yes
No
< Back
Next >
Cancel

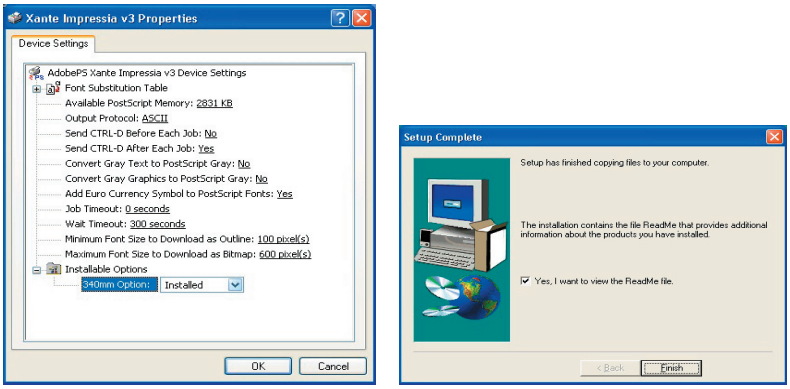
Setup Information Window and Printer Configuration Window

8. Verify that the setup information is correct; then, click Install.

9. Select Yes or No to configure the Impressia now; then, click Next and take the following appropriate step.

   a. If you selected Yes, the Properties window appears; select the Device Options tab and continue to step 10.

   b. If you selected No, the Setup Complete window appears; Click Finish and skip to step 11.


Xante Impressia v3 Properties
Device Settings
AdobePS Xante Impressia v3 Device Settings
Font Substitution Table
Available PostScript Memory: 2831 KB
Output Protocol: ASCII
Send CTRL-D Before Each Job: No
Send CTRL-D After Each Job: Yes
Convert Gray Text to PostScript Gray: No
Convert Gray Graphics to PostScript Gray: No
Add Euro Currency Symbol to PostScript Fonts: Yes
Job Timeout: 0 seconds
Wait Timeout: 300 seconds
Minimum Font Size to Download as Outline: 100 pixel(s)
Maximum Font Size to Download as Bitmap: 600 pixel(s)
Installable Options
340mm Option:
Installed
OK
Cancel
Setup Complete
Setup has finished copying files to your computer.
The installation contains the file ReadMe that provides additional information about the products you have installed.
Yes, I want to view the ReadMe file.
< Back
Finish

Properties/Device Window and Setup Complete Window

10. Configure the Impressia by setting the appropriate options for your system setup in the Installable Options section. Click OK; a Setup Complete window appears.

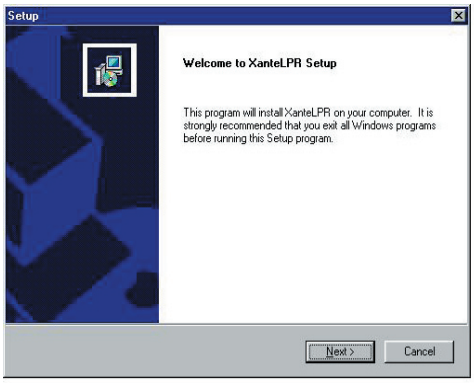
11. Close the window and continue to the port setup section for your operating system.

Setting Up an LPR Printer Port: Win 98/Me LPR Tool

This section tells you how to install the Xanté Win 98/Me LPR Tool. This utility allows you to communicate to your Impressia through the LPR port.

A Windows 98 and Me user must install this utility first to set up the IP address, network class, and subnet mask. Also, be sure you exit all windows programs prior to running this Setup program.

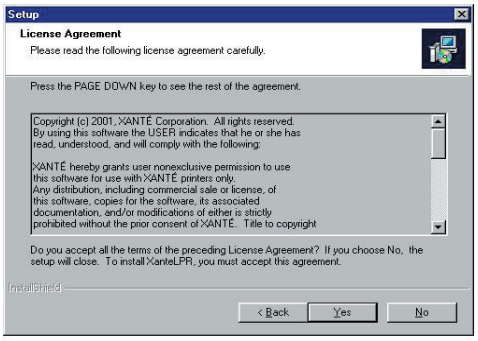
1. Insert the Xanté Utilities CD ROM. The Xanté Main Menu window appears.


Setup
Welcome to XanteLPR Setup
This program will install XanteLPR on your computer. It is strongly recommended that you exit all Windows programs before running this Setup program.
Next >
Cancel

Xanté LPR Port Window

2. Select Xanté Windows 98/ME LPR Tool; then, click Continue. Xanté Windows 98/ME LPR Port launches and the LPR Setup window appears.

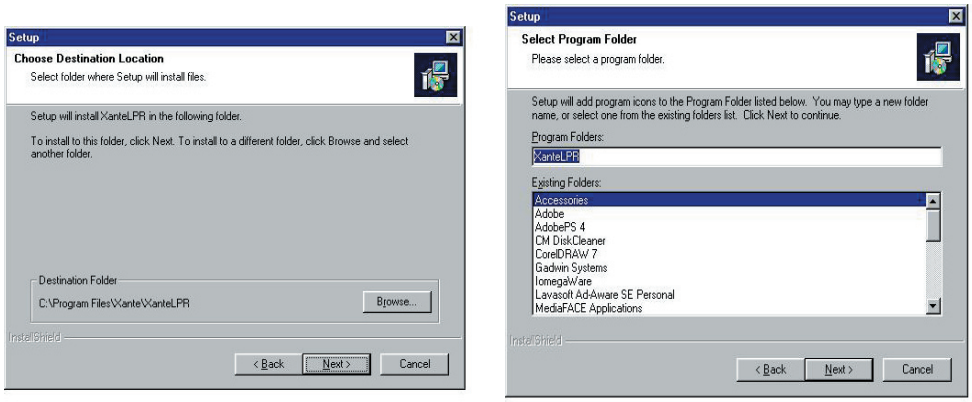
3. Click Next when the LPR Setup window appears. Xanté LPR License Agreement window appears, read it carefully and click Yes. Location window appears.


Setup
License Agreement
Please read the following license agreement carefully.
Press the PAGE DOWN key to see the rest of the agreement.
Copyright (c) 2001, XANTÉ Corporation. All rights reserved.
By using this software the USER indicates that he or she has read, understood, and will comply with the following:
XANTÉ hereby grants user nonexclusive permission to use this software for use with XANTÉ printers only.
Any distribution, including commercial sale or license, of this software, copies for the software, its associated documentation, and/or modifications of either is strictly prohibited without the prior consent of XANTÉ. Title to copyright
Do you accept all the terms of the preceding License Agreement? If you choose No, the setup will close. To install XanteLPR, you must accept this agreement.
InstallShield
< Back
Yes
No

License Agreement Window

4. Click Next when the Location window appears. A Program Folder window appears.

5. Select the folder(s) to which you want the program icon(s) added; then, click Next. A progress window appears, followed by a Setup Complete window.



Location Window and Setup Window

6. Click Finish in the Setup Complete window; a ReadMe file window appears.

7. Click Yes to open the ReadMe file or click No to not read it. (If you select Yes, read the file when it opens and then close it.) A Restart window appears.

8. Select Yes, I want to restart my computer now, or select No, I will restart my computer later; then, click Finish.

9. Select Start: Settings: Printers. When the Printers window appears, right click on the Impressia and select Properties. The Properties window will appear.

10. Select the Details tab then click Add Port. A new window will appear.

11. Select Other and highlight XanteLPR then click Ok.

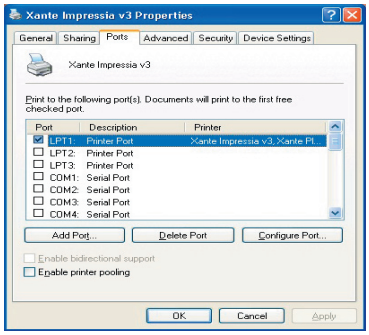
12. Enter the Impressia's IP address and name. Click Ok.

13. Click Apply to select the new IP port then click Ok to finish the setup.

Setting Up an LPR Port: Windows NT/2000/XP

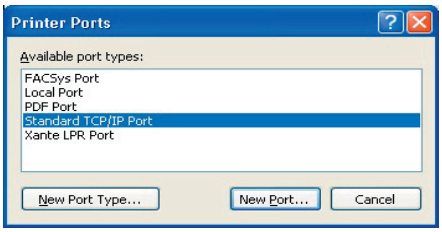
This section covers installing utilities, setting up a network connection, configuring a remote Impressia running in LPR mode.

1. Select Start: Settings: Printers and Faxes. Select your Impressia and right click; select Properties. Impressia's Properties window appears.



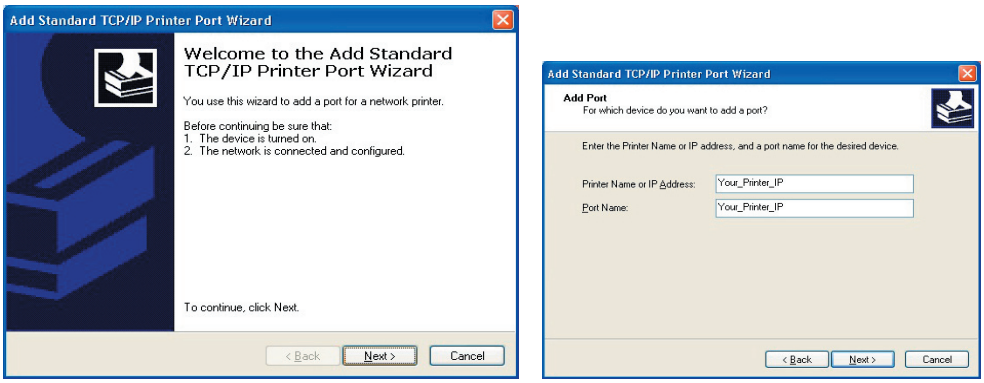
Ports Tab Window

2. Click the Ports tab. When the Ports Tab window appears; select Add Port. A Printer Ports window appears.



Printer Ports Window

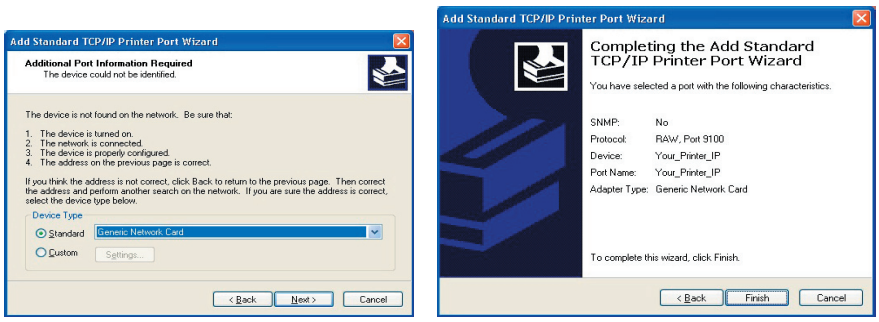
3. Select Standard TCP/IP Port; then, click New Port. Read the Welcome Window that appears; then, click Next. A Port Address window appears.


Add Standard TCP/IP Printer Port Wizard
Welcome to the Add Standard TCP/IP Printer Port Wizard
You use this wizard to add a port for a network printer.
Before continuing be sure that:
1. The device is turned on.
2. The network is connected and configured.
To continue, click Next.
< Back
Next >
Cancel
Add Standard TCP/IP Printer Port Wizard
Add Port
For which device do you want to add a port?
Enter the Printer Name or IP address, and a port name for the desired device.
Printer Name or IP Address:
Your_Printer_IP
Port Name:
Your_Printer_IP
< Back
Next >
Cancel

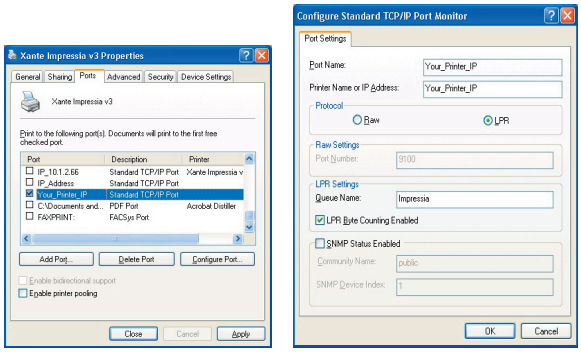
Standard TCP/IP Window and Port Information Window

4. Enter your Impressia's IP address and click Next. A Port Information window appears.

5. Select Custom under Device Type then, click Settings; the Configure TCP/IP window appears.


Add Standard TCP/IP Printer Port Wizard
Additional Port Information Required
The device could not be identified.
The device is not found on the network. Be sure that:
1. The device is turned on.
2. The network is connected.
3. The device is properly configured.
4. The address on the previous page is correct.
If you think the address is not correct, click Back to return to the previous page. Then correct the address and perform another search on the network. If you are sure the address is correct, select the device type below.
Device Type
Standard
Generic Network Card
Custom
Settings...
< Back
Next >
Cancel
Add Standard TCP/IP Printer Port Wizard
Completing the Add Standard TCP/IP Printer Port Wizard
You have selected a port with the following characteristics.
SNMP: No
Protocol: RAW, Port 9100
Device: Your_Printer_IP
Port Name: Your_Printer_IP
Adapter Type: Generic Network Card
To complete this wizard, click Finish.
< Back
Finish
Cancel

Additional Port Information Required and Configure TCP/IP Port Window



Properties Window and Configure TCP/IP Port Window

6. Change the Portocol to LPR to allow access tothe LPR Settings section.

7. Type the queue name Impressia and check the box for LPR Byte Counting Enabled then click Ok. The Completing Add Port Wizard window appears; click Next.

8. Select the Ports tab in the Properties window; highlight your Impressia's port then click Configure Port. A new window will appear.

9. Select LPR in the Configure TCP/IP window. Name your queue, enable LPR Byte Counting Enabled, and make sure the SNMP is not checked. Click Ok.

10. Select the Standard TCP/IP Port option to designate the newly created port as your standard TCP/IP port through which to print any future documents from the Impressia.

11. Click OK and close remaining windows.

CD-ROM Overview (PC)

You can access and control many Impressia Metal PlateSetter features via programs and PostScript files on the Impressia Utilities CD-ROM.

PS_Files Folder

The PS_Files folder on the Impressia Utilities CD-ROM contains Adobe PostScript files. These files can help you in such areas as keeping track of your Impressia's status, performing specific functions, and printing font samples. See the Description.txt file for a description of each file.

Older Application Support (PageMaker, QuarkXPress, ScenicSoft Preps)

Some older Adobe PageMaker, QuarkXPress 4.x, and ScenicSoft Preps applications require specialized files. These PPD and PDF files are on the Impressia Utilities CD-ROM in the Drivers: XTIMP\App_PPDs folder within folders for the specific programs.

Adobe Support

The Impressia Utilities CD-ROM provides support for some frequently used Adobe products. These files are located in the Adobe folder on the CD-ROM.

Manual Installation and Alternate Languages

You can perform manual installations and alternate language installation from the Impressia CD-ROM. These are located at Drivers: AdobePS <appropriate language> folder.

To install an alternate language version, double-click on the language file and the file automatically unstuffs and puts the installer for the chosen language onto the desktop. Then, double-click that installer to open it and begin installation.

Register Your Impressia

When you register your Impressia, you will receive a $50 discount toward your next purchase of Xanté consumables.

Register your Impressia using the following appropriate procedure.

If you are online when you install your Impressia,

1. Go to Xanté's web site (www.xante.com) to access the registration page.
2. Complete and submit the form online or else print the PDF version, fill out and submit the form via regular mail or fax.

   Be sure to fill in all required bold fields.
3. Close your browser.

If you are not online, do the following.

1. Go to the Main Impressia Window of the Impressia Utilities CD-ROM.
2. Select Print Registration Form from the Register Your Xante Product drop-down menu.
3. Fill out and mail or fax the registration form to Xanté.
4. Close the Registration form window and click Exit to close the .

If Adobe Acrobat Reader is not on your system, it is available in the Adobe folder on the Impressia Utilities CD-ROM.

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Chapter 5 - Printer Feature Configurations

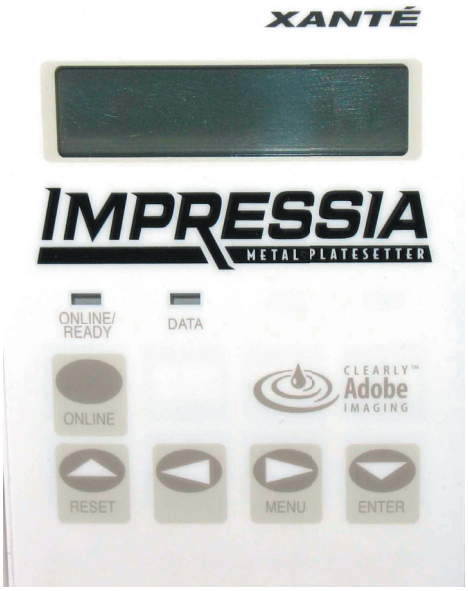
Introduction

This chapter covers configuring Impressia features using front panel keys and menus, side panel dials, browser utilities, and PPD options in your application Print dialog box.

PPD options override Impressia default (front panel) settings for a specific job or for all jobs sent to the Impressia from your host.

Front Panel

The front panel provides Impressia status information and allows you to configure some features.



Impressia PlateSetter Front Panel

Window

The front panel window displays configuration menu options and messages that indicate the Impressia status, request operator help, and relay error or service information.

Status Lights

The front panel status lights indicate the Impressia's status.

Online/Ready LED is on when the Impressia is ready to receive data. It is off when an engine error occurs.

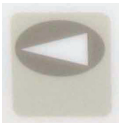
Data LED is on and does not blink when the Impressia is receiving data. Blinking indicates that the Impressia is processing data.

Control Keys

Front panel control keys allow you to configure some Impressia features and to access the configuration menus.

Online key is used to take the Impressia on and off line. The window reads Ready when the Impressia is online or Offline if it is offline. The Impressia must be online to receive data from your computer. Also, this key is used when resetting the Impressia to factory default settings.

Reset key allows you to return to the previous menu level when using configuration menus. To cancel a job that the Impressia is processing, take the Impressia off line an press the Reset key.



Left Arrow key allows you to scroll back through options on a menu level when using the configuration menus. This key also is used when resetting the Impressia to factory default settings.

Menu key allows you to enter the menu structure when Ready or Offline appears in the window and to scroll forward through menus and options.

Enter key allows you to select the menu or option displayed in the window. When you select an option, an asterisk appears next to the option name in the window to indicate it is now the current setting.

Adobe Logo key allows you to image a test plate by pressing down on this key directly over the words Adobe Imaging.

Configuration Menus

The Impressia's CD-ROM includes a quick reference sheet file that illustrates the front panel menu structure. Use configuration menus to set Impressia features and interface defaults; however, remember that most menu options also can be set via your browser utilities and some can be set using PPD options available through applications.

The current default menu setting will have an asterisk after it. You can return to factory default settings if necessary (see chapter 8 for details).

PPD options override Impressia default settings for a specific job or for all jobs sent to the Impressia from your host.

Selecting Menu Options

This example explains changing the Impressia's default LPI from 106 to 133 lines per inch using control keys and configuration menus.

1. Make sure the Impressia is on and Ready appears in the window. Then, press the Menu key until Setup: Graphic appears.
2. Press the Enter key to enter the Graphic menu. Then, press the Menu key until Graphic: LPI appears in the window.
3. Press the Enter key to enter the LPI menu. Then, press the Menu key until LPI: 133 lines/in appears.
4. Press the Enter key to select 133 as the default. A brief SELECTED message appears; then, the asterisk appears next to the selected LPI option, indicating that is now the current default.
5. Press the Online key. Ready appears in the window.

Impressia Browser Utilities Access

You can monitor, control, and configure many Impressia using your web browser and the Impressia browser utilities.

Accessing the Browser Utilities

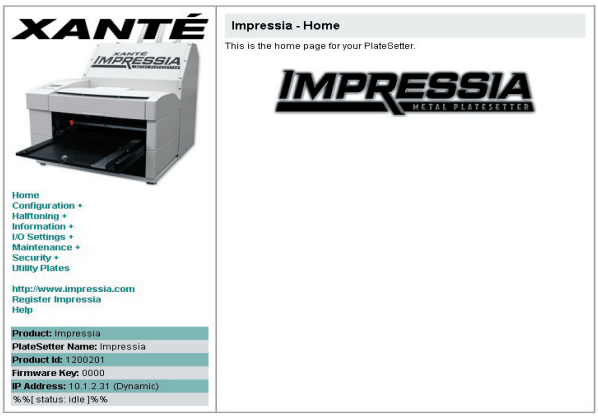
You must assign the Impressia a valid IP address for your network before you can use the browser utilities. This should have been done during initial Impressia setup.

To access your Impressia's browser utilities options

1. Turn on your Impressia and the computer.

2. Open your browser and enter your Impressia's IP address. The Impressia Home Page appears.

   If you aren't sure of the current address, check the Impressia's front panel under Network: IP Address.



Impressia Home Page

Impressia Features

Accurate Calibration Technology (X-ACT and More X-ACT)

Due to manufacturing variations and usage, a traditional platesetter may not image lines with the exact dimensions specified by the application. Xanté created X-ACT to compensate for these differences and implemented this technology in your Impressia.

X-ACT (patented Xanté Accurate Calibration Technology) allows you to calibrate your Impressia's line lengths and to correct inaccuracies in imaging width and height. If you want to calibrate the line lengths as well as compensate for line skew, your Impressia also features an advanced More X-ACT option.

Set the X-ACT feature via the front panel Xact menu (Setup: Graphic: Xact). Set More X-ACT via your web browser.

Front Panel X-ACT

Your Impressia's front panel Xact menu (Setup: Graphic: Xact) allows you to make 1/2 mm line length adjustments using the following procedure.

To use X-ACT, you need a metric ruler with 1/2 millimeter rule markings or you can use the More X-ACT ruler that comes with your Impressia. Adjustments for one size media apply to every media size; you do not have to make individual adjustments for each size.

1. Make sure the Impressia is on and Ready appears in the window. Then, make sure that a plate the size of your final output is loaded in the input tray and that tray is selected as the media source.

2. Press the Menu key until Setup: Graphic appears. Then, press the Enter key.

3. Press the Menu key until Graphic: Xact appears. Then, press the Enter key.

4. Press the Menu key until Xact: Test Page appears. Then, press the Enter key. A plate images with 2 lines, Line A and Line B. The measurement listed by each line is the desired length for that line on that media size. In this example, Tabloid size 11" x 17" (257 mm x 431 mm) plate is used. Line A should be 251.46 mm and Line B should 388.61 mm.

5. Measure Line A. Use the following procedures to adjust the line length.

    a. Note the amount Line A is over or under 251.46 mm. Next, press the Menu key until Xact: LineA appears, and then press the Enter key.

    b. Press the Menu key until the amount which would most closely adjust the line to the desired length appears. For example, if Line A is 250.46 mm instead of 251.46 mm, select 1.00 mm to add one mm to make the line the correct length. Then, press the Enter key.

6. Measure Line B. Use the following procedures to adjust the line length.

    a. Note the amount Line B is over or under 388.61 mm. Next, press the Menu key until Xact: LineB appears, and then press the Enter key.

    b. Press the Menu key until the amount which would most closely adjust the line to the desired length appears. For example, if Line B is 389 mm instead of 388.61 mm as it should be, select -0.50 mm to shorten the line to 388.50. Then, press the Enter Key.

7. Press the Reset key to return to the previous menu level. Then, press the Menu key until Xact: Test Page reappears and press the Enter key to image a new test page.

8. Repeat steps 5 and 6 until the line measurements agree with the lengths listed on the test page. Then, press the On Line key when the line lengths are correct. Ready appears in the window.

Now, the Impressia's line lengths are calibrated correctly.

Browser More X-ACT

The More X-ACT feature in your browser utilities allows you to make 1/2 mm line length adjustments and adjust for skew.

More X-ACT changes must be measured and changed in mm. A More X-ACT ruler with 1/2 millimeter rule marking comes with your Impressia for you to use with this procedure. Also, be aware that adjustments for one size media apply to every media size; you do not have to make individual adjustments for each size.

1. Turn on your Impressia and computer. Then, open your browser and enter the Impressia's IP address. The Impressia Home Page appears.

2. Select Configuration: PostScript: More X-ACT to open the More X-ACT window.

XANTÉ
IMPRESSIA
Impressia - More X-ACT™
This page will allow you to calibrate the output of your PlateSetter to exact dimensions.
(1) Media Information
To make changes to the current media, click on the appropriate links below.
Media Information: Plate Size: 10.0x15.0in
(2) Print Calibration Plate
Click "Print" to print a calibration plate.
Print Calibration Plate:
Print
(3) Allow plate To Cool
Wait at least one minute for the calibration plate to cool. The plate will shrink slightly during this time.
(4) Enter Measurements
Using a metric ruler, measure each location, estimating to the tenth of a millimeter, and enter all values into the corresponding boxes below. After you finish entering the measurements, click "Update".
If you want to reset the calibration values back to factory defaults, click "Reset".
Measurements:
A B C D E F G 342.9 H 228.6 I J
Reset
Update
(5) Verify Results
To verify the results of calibration, print another calibration plate from step (2), allow it to cool, and perform the following tests::
(1) Line A should be the same length as Line F.
(2) Line B should be the same length as Line D.
(3) Line I should be the same length as Line J.
(4) Line C should be the same length as the value in box H.
(5) Line E should be the same length as the value in box G.
If one or more of these conditions is not met, you may want to repeat the calibration process by returning to step (2). This is a cumulative process.To reset the calibration values completely, click "Reset" and return to step (2).
Home
Configuration -
Centering Rail
Margins
More X-ACT™
Network +
Pinbar Alignment
Print Quality +
Reset Factory Defaults
Storage Devices +
Trays and Media +
Units
Halftoning +
Information +
I/O Settings +
Maintenance +
Security +
Utility Plates
http://www.impressia.com
Register Impressia
Help
Product: Impressia
PlateSetter Name: Impressia
Product Id: 1200201
Firmware Key: 0000
IP Address: 10.1.2.31 (Dynamic)
%%[status: idle]%%

More X-ACT Window

3. Follow the directions on the More X-ACT window to calibrate your Impressia's output to exact dimensions.

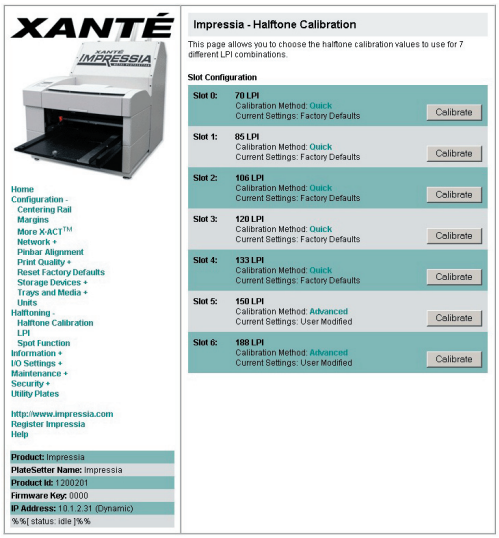
   More X-ACT is a cumulative process. If you aren't satisfied with the calibration, repeat the process. You can repeat this several times, but if you do it over 3 or 4 times, you may run into glitches. You also can reset calibration values to factory defaults by clicking Reset.

4. Close your browser after you finish the calibration.

Calibrating Halftones:

In order to start the calibration of your Impressia, access the web browser through your computer.

Enter the URL displayed on the front panel of your Impressia. For example "10.1.2.138." Click on the word "Halftoning" and then "Halftone Calibration."


XANTÉ
IMPRESSIA
Impressia - Halftone Calibration
This page allows you to choose the halftone calibration values to use for 7 different LPI combinations.
Slot Configuration
Slot 0: 70 LPI Calibration Method: Quick Current Settings: Factory Defaults Calibrate
Slot 1: 85 LPI Calibration Method: Quick Current Settings: Factory Defaults Calibrate
Slot 2: 106 LPI Calibration Method: Quick Current Settings: Factory Defaults Calibrate
Slot 3: 120 LPI Calibration Method: Quick Current Settings: Factory Defaults Calibrate
Slot 4: 133 LPI Calibration Method: Quick Current Settings: Factory Defaults Calibrate
Slot 5: 150 LPI Calibration Method: Advanced Current Settings: User Modified Calibrate
Slot 6: 188 LPI Calibration Method: Advanced Current Settings: User Modified Calibrate
Home
Configuration -
Centering Rail
Margins
More X-ACT™
Network +
Pinbar Alignment
Print Quality +
Reset Factory Defaults
Storage Devices +
Trays and Media +
Units
Halftoning -
Halftone Calibration
LPI
Spot Function
Information +
I/O Settings +
Maintenance +
Security +
Utility Plates
http://www.impressia.com
Register Impressia
Help
Product: Impressia
PlateSetter Name: Impressia
Product Id: 1200201
Firmware Key: 0000
IP Address: 10.1.2.31 (Dynamic)
%%[status: idle]%%

Halftone Calibration page.

Your Impressia comes with halftone calibrations that will be successful for most applications but you may wish to set this yourself to gain greater control. Your Impressia uses a technique called “slots”. Your Impressia contains 7 custom halftone slots that you can use for unique halftone calibration. You will have to specify each of these slots to have a unique media (paper, plate, film, heavy stock, userdef1, userdef2) and line screen (70, 85, 106, 120, 133, 150, 188). There are 42 different combinations but you choose 7 for custom halftone calibrations. The remaining combinations will be configured to their factory defaults. There is a 188 LPI setting, although the Impressia is only guaranteed to 150 LPI.

You must now decide which halftone variations you wish to calibrate. It does not matter which values go into which slot. For example “133 LPI/polyester plate” in slot 4. In order to change the values in a particular slot, click one of the highlighted words in the slot and a page appears with pull down values for LPI and media. After you choose your particular settings click the “Save” button to enter these into the slot and it will return you to the “Halftone Calibration” page.

You must now choose the “Quick” or “Advanced” calibration method. Each slot has the word “Quick” or “Advanced” highlighted. The Quick method will suffice for the vast majority of Impressia users.

Calibrating Using the Quick Method:

The quick method employs a custom gamma curve, which can be adjusted by your settings. When you click on “Calibrate” (on the slot you have chosen) the “Quick Halftone Calibration” page will be displayed. Install the media type you wish to calibrate and print your test page. You will see the halftone samples and a graph of the gamma curve from your selection. (You can see examples of all LPI settings from the “Home: Utility Pages: Halftone Calibration Page” in your web browser).

From the test page you just imaged, you can change your brightness and white point values for this slot. You can use a loop to select the first box that contains a usable and consistent halftone and enter the information as the white point. Adjust your brightness value (0-100) for your desired results. The higher the value, the lighter the image. Be sure to click the “save” button. You may then image another test page to see your results. You may do this as often as you desire. Remember there is typically 10% dot gain on your press with plates generated from your Impressia.

Advanced Calibration:

Users with a Densitometer, may wish to more accurately calibrate the Impressia. It is typically useful to generate output from your printing press using this method. Decide which media type, LPI and slot you wish to configure. Adjust these values by clicking on the highlighted names in each slot and choose “advanced” calibration.

When you click on “Calibrate”, the “Advanced Halftone Calibration” page appears. Select your particular output options and “Print” your custom test paper, plate or film. Typically, for plates or film, you may generate press output for more accurate calibrations.

This output is now ready for calibration. The test output will generate many boxes that correspond to the calibration boxes on the advanced calibration web page. Each box should be read with a Densitometer (contact Xanté for qualified Densitometers) capable of reading our dot structure. Some Densitometers may only read dots generated by a traditional imagesetter so you may want to contact the manufacturer of your Densitometer for advice.

Take the Densitometer readings and enter each into the corresponding box then click “Linearize”. Any boxes left blank will be generated but you must enter at lease the first and last box of each row. You may now image another test page. This page will display the new calibration curve and should display a relatively smooth “S” pattern if the process was done accurately. If it does not, read your values again in the questionable areas, enter those values and click “Linearize”. This process may be done as many times as necessary.

Information (Diagnostic, General, Installed Options)

This is detailed Impressia information that may be requested and used by Xante Technical Support. Access this information through the Impressia's browser utilities.

Diagnostic Information allows you to check your Impressia's E-Prom status and contains other information that may be requested if you call Xante Technical Support. If the E-Prom condition is good, you don't have to do anything. If an error displays, contact Xante Technical Support or your authorized Impressia dealer.

General Information provides you with miscellaneous Impressia information such as the product name, engine speed, plate count, RAM version, etc.

Installed Options allows you to check installation status of the Impressia's options.

Interface Configuration

You can configure the Impressia's Ethernet Interface both from the front panel and via the browser utilities. You are able to set the IP address, network class, subnet mask, gateway, DHCP, and duplex mode.

Language

Select the language for the Impressia's front panel window from the Language menu (Setup: Utility: Language). English is the factory default.

Lines Per Inch (LPI)

Lines per inch (LPI) settings allow you to control the number of gray levels of your imaged job. Usually, you set LPI through your application.

When LPI is not a software option, you can set the LPI from the front panel LPI menu (Setup: Graphic: LPI). Line screen options range from 5 to 210 LPI with a factory default of 100 LPI. You also can set the LPI using the Impressia's browser utilities or through the PPD options. Look under PlateSetter Configuration: PostScript: LPI.

Plate Count

The Plate Count feature indicates how many plates have been imaged from your Impressia PlateSetter. Use the Plate Count menu (Setup: Utility: Features: Plate Count) to check the current page count.

You also can check the plate count using the Impressia's browser utilities. Look under Information: General Information.

Pin bar Menus

The Pinbar Alignment feature allows you to image two lines at the top of your plates for use as an alignment tool for your plate punch. This feature must be enabled (set to On) through the PPD Pin Bar option before it is active on the Impressia.

Once Pinbar Alignment is enabled in the PPD, set alignment options through the front panel Pinbar menu (Setup: Utility: Pinbar). This menu has Length and Center submenus that allow you to configure the placement and length of the alignment marks.

You also can configure pinbar alignment settings using the Impressia's browser utilities. Look under Configuration: Pinbar Alignment.

If the Units feature is set to Euro, the Center and Length measurement options appear in millimeters rather than inches.

Center

The Center menu allows you to set the placement of the alignment marks from the center of the page. Options are from a minimum of 0.0" (0 mm) to a maximum of 3.0" (76 mm) in increments of 0.1" (2.45 mm) from the center. For example, if you select 2", one line images 1" from the left of center and the other line images 1" to the right of center. The factory default is 2.0" (51 mm).

Length

The Length menu allow you to designate the length of the two alignment lines that image. Options are from a minimum of 0.0" (0 mm) to a maximum of 3.0" (76 mm) in increments of 0.1" (51 mm). The factory default is 0.5" (12.7 mm).

PlateSetter Name

The front panel PlateSetter Name menu (Setup: Utility: Features: PlateSetter Name) indicates the name assigned to your Impressia PlateSetter.

You can change your Impressia's Name using the Impressia's browser utilities PlateSetter Name option. Look under PlateSetter Configuration: Network: EtherTalk.

If you have more than one Impressia on a network, renaming the units can prevent confusion. To change the name, use the Setname.ps file in the Xanté utilities.

Reset to Factory Defaults

You can reset your Impressia to factory defaults via the front panel keys or the Impressia's browser utilities. For detail, see chapter 8.

Rotate

The Rotate feature allows you to rotate the image 180 degrees so that the taped edge falls at the bottom of the plate. This allows the thinnner, non-taped end to be precision punched before the plate is run on a press such as a Heidleberg Quickmaster 46 or a Heidleberg Printmaster 46.

Enable this feature through the Impressia's browser utilities under Utility Plates and the PPD menu. In the browser and the Macintosh OS X PPD options, you have a check box to select or deselect this feature. PPD menu options are On or Off for Windows and Macintosh OS 9 systems.

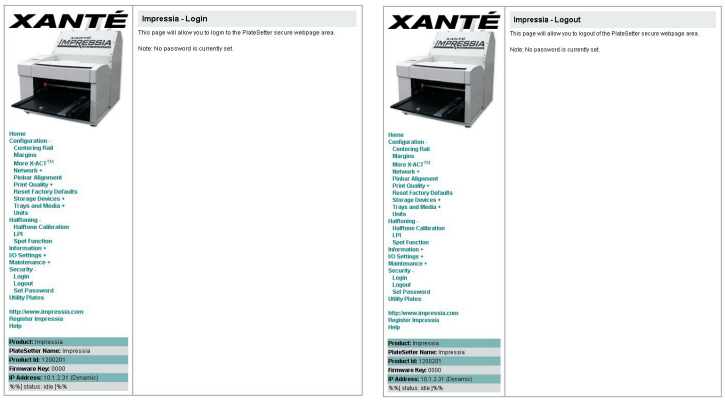
Security

PlateSetter Security is designed to prevent unwanted changes to the Impressia configuration. Some features that are configurable from the Impressia's web page can be locked by setting a password using the Impressia's browser utilities.

Login and Logout

When Impressia's security password protection is active, you have to login to access the Impressia's secure web page areas and should log out when you are finished.

1. Go to the Impressia home page. Select Security: Login to open the Login window.


XANTÉ
Impressia - Login
This page will allow you to login to the PlateSetter secure webpage area.
Note: No password is currently set.
XANTÉ
Impressia - Logout
This page will allow you to logout of the PlateSetter secure webpage area.
Note: No password is currently set.

Login Window and Logout Window

If no password is currently set, you can change the options that normally would be protected by a password. If you want to password protect these options, you need to set up a password.

2. Enter your password in the Password field; Then, click Submit. You now can access the secure web page areas. When you are through, select Security: Logout. The Logout window appears.

3. Click Submit. Then, when a message appears that you are now logged out, close the browser.

Set Password

Set Password allows you to set your Impressia's password to access the secure web page areas.

1. Go to the Impressia home page and select Security: Set Password. When a Set Password window appears, take the following appropriate action.

Set Password Window

   a. If you do not have a password skip to step 2.

   b. If you have a password but want to change it, enter your password in the Current Password field and continue to step 2.

2. Type in a password of your choice (up to 8 characters in length) in the New Password field; then, re-enter that new password in the Re-enter Password field.

3. Click Submit. You now can access the secure web page areas. When you are through, select Security: Logout. The Logout window appears.

4. Click Submit. Then, close your browser.

This new password will be required every time you log onto your Platesetter's web page.

Erasing the Password

To erase the current password

1. Go to the Impressia home page and select Security: Set Password. The Set Password window appears.

2. Enter the your password in the Current Password field and leave the New Password and the Re-enter Password fields blank.

3. Click Submit. A message appears to let you know that the Platesetter password has been erased.

4. Close your browser.

Forgotten Password

If you have forgotten your password, go to http://www.xante.com/support/PrinterSecurity.html for instructions on resetting your password. The instructions for the PlateSetter will be listed under the KEY1 heading.

Spot Function (Dot Shape)

The Spot Function feature allows you to select the shape of the dots that make up the screen pattern for printing. Set this feature via the front panel Spot Function menu (Setup: Graphic: Spot Function) or through the PPD options. Shape choices include the standard, Euclidean, Line, Round, Ellipse, Triangle, and Dual options as well as Megadot.

Megadot is Xanté's implementation of a halftoning technique which makes use of a supercell, rather than a single cell, to generate halftones. This technology allows you to maintain 256 levels of gray at higher line screens, to decrease posterization as well as to compensate for dot gain—all at the same time.

Units (English and Metric)

The Units feature allows you to select the type of measurements used when working with the Impressia. The English option sets measurement units to inches; Metric sets units to millimeters. For example English pinbar measurements would appear in inches and metric measurements would appear in millimeters.

You can select the type of units through the front panel Units menu (Setup: Utility: Units) or via the Impressia's web browser utilities under Units.

Utility Plates

The Utility Plates page contains a list of utility plates you can print to check current configurations of the various line screen brightness settings. You select this feature through the front panel Test Images menu (Setup: Utility: Test Images) or the Impressia's web browser utilities.

Halftone Calibration Plate (Utility Plate)

Print this plate to use for selecting the white point for each LPI (lines per inch) and adjusting the brightness and contrast levels for each LPI.

This plate displays white point boxes (with no transfer curve applied) and highlights the currently selected white point. It also shows 11 gray swatches (from 0% gray to 100% gray in 10% increments) with the transfer curve applied. It also contains concentric circle and bull's-eye patterns at the bottom for use in laser power adjustment.

Grayscale Plate

This plate displays 256 gray swatches for the currently selected LPI. The current transfer curve for the selected LPI is applied.

Fountain Plate

This plate displays vertical gradient/fountain strips for each LPI, displaying the current settings for white point, brightness, and contrast for each LPI. It also contains concentric circle and bull's-eye patterns at the bottom for use in laser power adjustment.

CMYK Fountain Plate

This plate is similar to the fountain plate except that only fountains for the currently selected LPI are printed. Four fountains are printed, each at different screen angles corresponding to each of the CMYK colors. This plate also contains concentric circle and bull's-eye patterns at the bottom for use in laser power adjustment.

Blank Plate

This plate runs through the Impressia without an image. It is used to check for jam issues without wasting toner, and it also can be used to check for background toning.

Solid Plate

This plate is used by XANTÉ Technical Support to check for voids in the printed area. Since this is a solid black plate, more vaporization (smoke) appears during this process than when running other utility plates.

30% Gray Plate

This plate is run by XANTÉ Technical Support to troubleshoot for banding issues.

Web Access (Impressia Web Site, Register PlateSetter, and Help)

When you are online, you can use Impressia's browser utilities to access the Impressia's web site (www.impressia.com).

1. Go to the Impressia home page and select the desired web access, http://www.impressia.com Register PlateSetter, or Help. When the selected site's window appears, take the following appropriate action.

    a. **http://www.impressia.com:** Browse this web site for desired Impressia product, support, and contact information as well as other related details. When you finish, skip to step 2.

    b. **Register Impressia:** Fill out and submit the registration form. Then, skip to step 2.

    c. **Help:** Browse Xanté's Support site for desired information. You can search for information by product links, by topics through the search option, or by the Frequently Asked Questions option.

2. Close your browser when you finish.

You also can register your Impressia during your Impressia setup if you are online; see chapter 3 (Macintosh) or chapter 4 (PC) for details. Or, you can go directly to Xanté's web site at www.xante.com to register or get help.

The PPD

The Impressia's PostScript Printer Description (PPD) allows you to select many Impressia settings from your application's Print dialog box. These settings override Impressia default settings and other software settings. You can customize Impressia features for individual or all jobs without resetting the Impressia front panel menus or the Impressia's browser utilities.

For these options to be available, the Adobe PostScript printer driver and your Impressia's PPD must be installed and configured properly. See chapter 3 (Macintosh) or 4 (PC) for details.

Usually, Impressia specific options in the PPD are accessed through the Device Options tab (Windows 98/Me), the Device Settings tab (Windows NT/2000/XP), the Printer Specific Options menu on a Macintosh (OS 9), and Printer Features (OS X).

Selecting PPD Options (Macintosh OS 9)

To configure an Impressia feature from the Print dialog box

1. Install and configure the AdobePS printer driver and your Impressia's PPD; see chapter 3 for details. Then, open a file in your application.

2. Choose File: Print and make sure your Impressia is selected in the Printer drop-down menu in the Print Dialog box; then, click General to display the drop-down list.

3. Choose Printer Specific Options. When the printer option menus appear, select the appropriate settings from the option drop-down menus.

4. Click Save Settings to save the Print dialog box settings as the defaults for all jobs sent to the Impressia. Then, click Print to send the file to the Impressia.

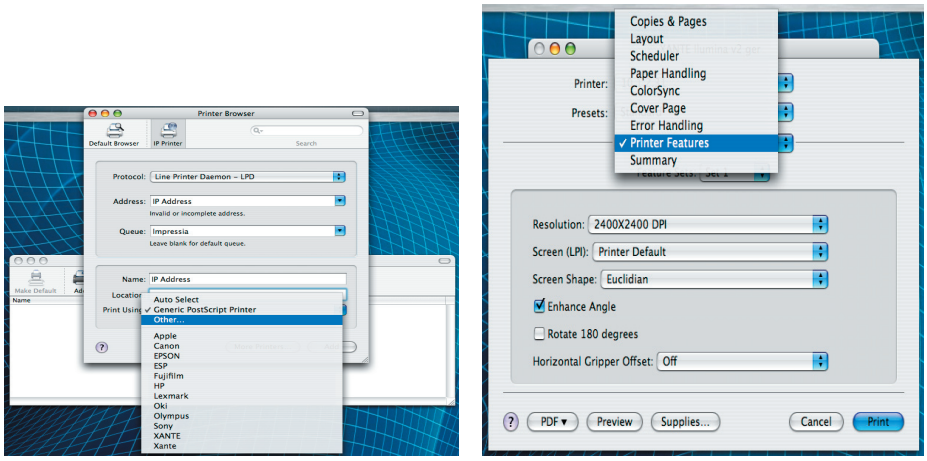
> Page layout applications like QuarkXPress, Adobe PageMaker, and Adobe InDesign have the ability to save settings built into them. See their documentation for details.

Selecting PPD Options (Macintosh OS X)

To configure an Impressia feature from the Print dialog box

1. Install and configure your Impressia; see chapter 3 for details. Then, open a file in your application.

2. Select File: Print. The Print dialog box appears.



Print Dialog Box (OS X) and Printer Features Window (OS X)

3. Select Printer Features from the drop-down menu. When the Printer Features window appears, select the desired settings from the drop-down menus by each option if necessary.

4. Click Print to send the file to the Impressia.

Multiple presets can be saved under the Presets drop-down menu or from within certain applications, such as Adobe InDesign.

Selecting PPD Options (Windows 98/Me/NT/2000/XP)

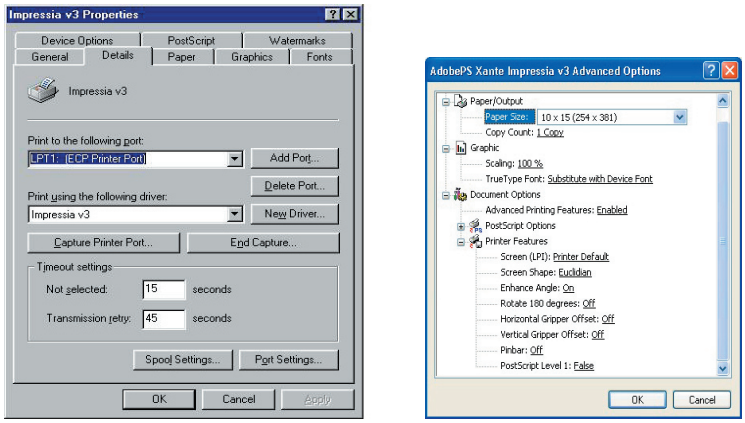
To configure an Impressia feature from the Print dialog box

1. Install and configure the AdobePS printer driver and your Impressia's PPD following the instructions in chapter 4.

2. Select Start: Settings: Printers (Windows 98/Me) or select Start: Settings: Printers and Faxes (Windows NT/2000/XP).

3. Select the Impressia and right click Properties.

4. Click the Device Options tab (Windows 98/Me) or click Printing Preferences and then click Advanced (Windows NT/2000/XP) to access the Impressia options. Then, select the desired setting from each option's drop-down menu.



Device Options Tab and Advanced Options

5. Click OK. Then, when the Print dialog box reappears, click OK or Print, depending on the application, to send the file to the Impressia.

PPD Menus

The features in the following list can be configured from the Print dialog box.

Enhance Angle	Rotate 180 Degrees
Horizontal and Vertical Gripper	Screen (LPI)
Pinbar	Screen Shape (Spot Function)

Enhanced Angles, Lines Per Inch (LPI), Rotate, and Spot Function features are covered earlier in this chapter.

Some applications require additional configuration to access certain features. See your application documentation. Depending on the application, a Printer's Default option may be available. When this option is selected, the current Impressia setting is used for the job.

340 MM Option

The 340 MM upgrade is a factory installed option. It allows you to image on plates up to 13.375" (340 mm) x 19.875" (505 mm) to accommodate presses such as the Heidelberg Printmaster 46 or Quickmaster 46.

You can check the status of this option through the front panel 340mm Option menu (Setup: Utility: Features: 340mm Option).

Horizontal and Vertical Gripper Offset

Gripper Offset allows you to adjust horizontal and vertical placement of an image on a plate regardless of your application's limitations to ensure that the image is placed correctly to be printed on a press.

Set Horizontal and Vertical Gripper Offset from your application Print dialog box. Off makes no adjustment to the image position on the plate and gives a 2" (50.8 mm) gripper margin. Vertical options are up and down in .25" (6 mm) increments from .25" (6 mm) to 6.00" (152 mm). Horizontal options are left and right in .25" (6 mm) increments from .25" (6 mm) to 6.00" (152 mm).

Pinbar

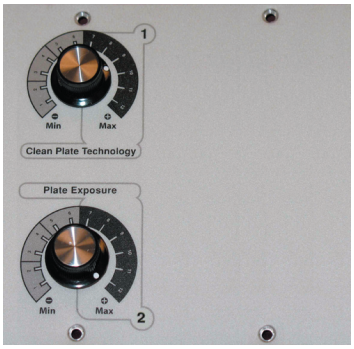
The Pinbar Alignment feature allows you to image lines on your plates to use as an alignment tool for your plate punch. The PPD Pinbar drop-down menu allows you to enable (On) or disable (Off) this feature.

You must enable the Pinbar feature in the PPD menu before the front panel Pinbar menu becomes active. If you try using the front panel Pinbar menu (Setup: Utility: Pinbar) before activating the feature, settings you make will be ignored.

PageMaker has two Pinbar options (Pinbar Available and Pinbar) in the Print dialog box Features. Under Pinbar Available, you select Installed or Not Installed; under Pinbar, you select enable (True) or disable (False; factory default). You must select Installed under Pinbar Available before you can select True under Pinbar.

Control Dials (Clean Plate Technology and Plate Exposure)

Your Impressia features two side control dials, the Clean Plate Technology (CPT) dial and the Plate Exposure dial. These dials allows you to tweak the Impressia for your imaging environment. Although each dial's setting directly bears on the setting of the other, don't worry. Setup is easy and once done, it rarely has to be changed.



Impressia Dials

Dial	Purpose
CPT	To control toning (scatter; stray particles in non-image areas), picture framing, and scumming.
Plate Exposure	To customize for specific LPI settings to decrease plugging and dot gain and to override print job LPI settings.

Due to minute variances inherent to all manufacturing processes, each Impressia is unique, including yours. Subsequently, we custom calibrate each dial at the factory to accommodate for these variances. Then, we mark the factory default setting with a black dot to let you know this is where to start when calibrating for your specific environment. The rest is simple. You just build each of your custom settings based on the previous dial's setting beginning with Humidity.

Setting the Dials

Normally, you needn't change the Plate Exposure dial. It is tied into the LPI setting that you select during the job setup and the press run length. Also, once you set the dials, you rarely have to change them except if a seasonal or major environmental change occurs.

1. Check the plate for toning, picture framing, and scumming. If some appears, adjust the CPT setting in single increments, going up to lighten or down to darken the image until you achieve a clean plate.

   If you can't get a clean plate by adjusting the CPT dial, reduce the Humidity setting in increments of two until you do. Also, during the winter or in dry areas, you may have to lower the CPT setting. Conversely, in the summer when it is more humid or near large bodies of water, you may need to raise this setting.

2. Run and check another plate. If the image quality still needs tweaking, you can raise (to darken) or lower (to lighten) the Plate Exposure setting in increments of one. However, this is rarely necessary. Plate Exposure is tied to the LPI chosen during the job setup.

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Chapter 6 - Plates: Specifications, Handling, and Imaging

Introduction

This chapter covers plate information, specifications, handling, and imaging.

Imaging Plates

Your Impressia expands computer to plate technology to a new level. The Impressia includes XANTÉ's progressive CPT (Clean Plate Technology); plus, it uses innovative Aspen Metal Plates designed specifically for the Impressia.

CPT has been built from the ground up to create a perfect plate with no cleaning or special etch required. This eliminates many outdated traditional print shop steps and gives you the unprecedented ability to image a metal plate that can go straight to the press. Simply create and format documents on your computer, image directly onto an Aspen Metal Plate, and take that plate to the press.

The complex interaction of the CPT and density settings plays a major role in achieving optimum output quality when imaging plates. Each component has its own integral part in the procedure, but that part is influenced by the other one. Before imaging plates, be sure to read about the control dials in chapter 5.

Aspen Metal Plates run well with rubber, acrylic, and oil-based inks and most universal fountain solutions. You can use some silver-based fountain solutions, but results are not reliable. Test the solution before using it on a final product.

Plate Information and Specifications

Aspen Metal Plates, made from a durable, scratch-resistant, litho grade aluminum, resist excess scumming and picture framing on the blanket. These single-sided plates produce up to 25,000 plus impressions without an external fuser. These plates are distributed exclusively by XANTÉ for use with the Impressia.

Aspen Metal Plates are 6 mil with a shelf life of 1 year from the time they ship from XANTÉ. They are not light sensitive and can be handled in normal daylight conditions.

Aspen Metal Plates are compatible with most metal plate fountain solutions. For a complete list of tested and recommended solutions, visit www.impressia.com.

Aspen Metal Plate Sizes

The Impressia allows you to use 6 mil plates from 10" x 15" (254 mm x 381 mm) up to 13.375" x 19.875" (340 mm x 505 mm). The 340 upgrade allows you to image on plates up to 340 mm to accommodate presses such as the Heidelberg Printmaster QM 46 and Ryobi 3302. The following chart lists plate sizes and the corresponding part numbers. To order plates, call XANTÉ Consumables Sales at 800-540-7091 (US and Canada). Europe:+31-(0)26-319.32.10.

ASPEN Metal Plate Sizes

Part Number	Size (Inches)	Size (mm)
200-100185	10 x 15	254 x 381
200-100186	10 x 15.5	254 x 394
200-100187	10.0625 x 15.5	256 x 394
200-100188	11 x 18	279 x 457
200-100189	11 x 18.5	279 x 470
200-100198	11.25 x 18.5	286 x 470
200-100190	11.25 x 19.375	286 x 492
200-100191	11.75 x 18	298 x 457
200-100192	11.75 x 18.5	298 x 470
200-100193	12 x 18	305 x 458
200-100194	12 x 19.375	305 x 492
200-100195	12.75 x 18.0625	324 x 458
200-100196	13 x 19.375	330 x 492
200-100200	13.19 x 19.09	335 x 485
200-100197	13.375 x 19.875	340 x 505

Recommended Pressroom Supplies

Aspen Metal Plates are compatible with most metal plate fountain solutions. Unlike other metal plates, Aspen metal plates are designed to run alcohol-free. Avoid using harsh blanket cleaners on the plates. If you experience problems, try a solution from the list of recommended fountain solutions at www.impressia.com/supplies.html.

Guidelines for Imaging Plates

When imaging plates, keep the following guidelines in mind.

- Use only Aspen Metal Plates on the Impressia.

  Using plates other than Aspen Metal Plates will void your Impressia's warranty. XANTÉ is not responsible for damages caused by non-XANTÉ specified plates. Repair will be at the user's expense.

- Feed these single-sided plates one at a time through the Impressia.
- Load the plate with the dull side up and the shiny, pre-printed side down into the input tray, placing the taped leading edge into the tray first.

  When working with images wider than the plate's leading edge, be sure to specify landscape mode in your document.

- Do not bend the plate. Bends in a plate affect the image quality and the performance on the press and may damage the Impressia.
- Handle plates by their edges, like other metal plates.
- Allow the plate to exit the Impressia completely before handling the plate.

  When a plate exits the Impressia, it is hot; be sure to allow the plate to cool before handling it. When the plate exits, it rests on the exit tray with its bottom edge under the edges of the exit roller.

- Remove each plate as it finishes imaging to help prevent an imaged plate from being scratched as the next plate exits the Impressia.
- Punch plates on the taped end *after* they have been run on the Impressia.

  Pre-punched plates will jam or damage the imaging unit. Always punch plates after they have been run on the Impressia.

- Never use plates that are wet, damp, or otherwise damaged and never cut down plates; rough edges can damage the Impressia and its imaging unit.
- Do not use harsh blanket cleaners on the plates. (See "Recommended Pressroom Supplies" earlier in this chapter.)

  Do not use conventional plate cleaners or blanket washes on Aspen Metal Plates. These may dissolve the toner image.

- Allow enough space at the plate edges for the press gripper.
- Use the plates before their shelf life expires. Shelf life, opened or unopened, is one (1) year from the date the plates ship from XANTÉ.
- Keep the Impressia clean. See chapter 7 for instructions.
- Set the plate cylinder to blanket strike/stripe pressure to 1/8" (3.175 mm) initially. If the pressure setting is too heavy, it may effect the plate run length and lead to image breakdown on the plate.

- Use only Impressia Imaging Units and Aspen Metal Plates with your Impressia.

  Using other than XANTÉ Aspen Metal Plates or the XANTÉ Impressia Imaging Unit will void your Impressia's warranty. XANTÉ is not responsible for damages caused by non-XANTÉ specified products. Repair will be at the user's expense.

Occasionally, you may find pinholes in large solid areas on the plate. Use a black Sharpie fine point permanent marker to fill in the holes before taking the plate to press.

If you experience problems with a plate, refer to the troubleshooting in chapter 8.

Storing Plates

To prevent damage to the plates, store them

- in small, flat stacks (not set on their sides or ends) in a location with temperature from 50˚ to 86˚ F (10˚ to 30˚ C) and a stable relative humidity from 30 to 65%.
- in their original wrapper until use. Although these plates are not light sensitive, this helps prevent dust and debris from settling on the plates and possibly causing jams when they are imaged or affecting image quality.

Using plates other than Aspen Metal Plates will void your Impressia's warranty. XANTÉ is not responsible for damages caused by non-XANTÉ specified plates. Repair will be at the user's expense.

Plate Handling

This section covers feeding a plate to the Impressia, the plate path, and the input tray.

Plate Path

1. The plate is pulled from the input tray.
2. The image is transferred to the plate from the imaging drum.
3. Toner from the imaging unit is burned on the plate by the plate exposure unit.
4. The plate is delivered into the output tray.

Input Tray

The input tray handles standard Aspen Metal Plate sizes from 10.00" x 15.00" (254 mm x 381 mm) up to 13.375" x 19.875" (340 mm x 505 mm). Select the plate size from the custom size option in your application. Then, select the input tray as the media source using your application's Print dialog box.

Loading and Feeding a Plate

Load Aspen Metal Plates individually into the input tray imaging side (dull side) up, taped leading edge into the tray first. (Make sure the shiny, pre-printed side of the plate is placed face down in the input tray.)

Use the following process to feed a plate through your Impressia for imaging.

1. Send the job from your computer to the Impressia. A processing message appears.
2. Wait until the job spools completely and the Feed Plate message appears indicating the plate's size.
3. Feed the plate into the Impressia to begin processing the image.

Verify that the correct plate size is displayed to avoid waste due to page setup issues.

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Chapter 7 - Maintenance and Warranty

Introduction

This chapter covers Impressia maintenance (handling, storing, moving, and cleaning), and warranty information.

Maintenance

Proper care will extend Impressia's life. Use guidelines in this section to maintain your Impressia in optimum working condition and to ensure the highest quality output.

Handling the Impressia

Use the following guidelines when handling or using your Impressia.

The Impressia weighs approximately 110 lbs. (50 kg.) with consumables installed. *Always* have two people lift the Impressia, using the recessed grip areas on the sides.

- Turn off the Impressia at the end of the day.
- *Never* move the Impressia with the imaging unit installed.
- Do not place anything on top of the Impressia.
- Always lift the Impressia by the recessed grip areas on the bottom left and right—never by the input tray.
- Only use Aspen Metal Plates.
- Make sure the Impressia's location meets the requirements in chapter 1.
- Allow the Impressia's side vent at least an 8.0" (200 mm) clearance to prevent overheating. Never insert anything into the vent.

Storing the Impressia

Use the following procedure when storing the Impressia for an extended period.

1. Turn off the Impressia. Unplug the power cord from the power source.
2. Remove any plate from the input tray. Then, make sure the Impressia's top and exposure unit covers are closed.
3. Store the Impressia and plates properly in an area with a temperature of 32˚ to 95˚ F (0˚ to 35˚ C) and a relative humidity of 15% to 80% with no condensation. Store them in their original containers or cover them to protect from dust.

Moving the Impressia

Use the following procedure when moving the Impressia.

The Impressia weighs approximately 110 lbs. (50 kg) with consumables installed. Always have two people lift the Impressia, using the recessed grip areas on the sides.

1. Turn off the Impressia, unplug the power cord from the power source and remove any plate in the input tray
2. Remove the interface cables and power cord.
3. Remove the imaging unit following the steps in chapter 1. *Never* move the Impressia with the imaging unit installed.
    a. Place the imaging unit in its original bag to protect it from light. If you no longer have this bag, place the unit in a dark bag or wrap it in a dark cloth.

b. Ensure the imaging unit stays level during the move. Rock it gently to redistribute toner before placing the unit back in the Impressia.

4. Make sure the top and exposure unit covers are closed.

5. Move the Impressia to an area that meets the location guidelines in chapter 1.

6. Set up the Impressia following the instructions in chapter 1.

Cleaning the Impressia

To help keep your Impressia running smoothly and to avoid problems, clean it monthly. Also, clean it inside after removing a jam or replacing the imaging unit.

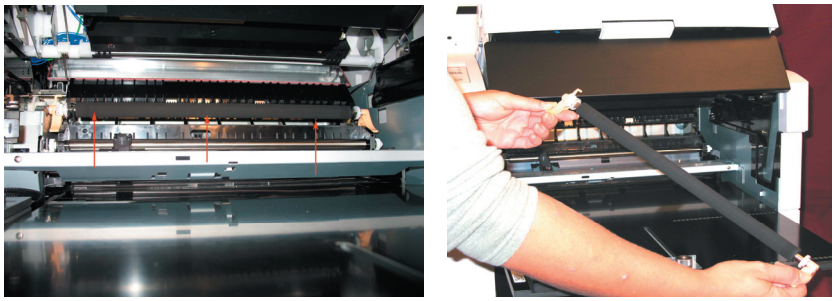
Transfer Roller Cleaning

Required Equipment:
- Soft bristle brush
- Vacuum with a soft brush attachment or compressed air with safety glasses

To clean the transfer roller

1. Turn off and unplug the Impressia. Then, remove the imaging unit.

2. Remove the roller assembly by turning up the roller's plastic levers, one on each end; then, holding the levers, lift the transfer roller up and out at a 45˚ angle.



Transfer Roller

3. Clean toner from the transfer roller with a soft bristle brush and vacuum the area using a soft brush attachment or blow it with compressed air.

Wear protective safety glasses when using compressed air.

4. Lower the roller back into place with the gear end to the left. Make sure the lever protruding below the transfer roller fits inside the small opening on the door.

5. Push the roller into its holding clips. The roller assembly should spring back freely when pressed.

Imaging Unit and Input tray Feed Area Cleaning

Clean the imaging unit and plate feed area after removing a plate jam or replacing the imaging unit.

Required Equipment:
- Clean, dry, lint-free cloth

1. Turn off the Impressia and disconnect it from the power source; then, remove the plate and the imaging unit.

2. Wipe off plate and toner dust gently with a dry, clean cloth.

Make sure not to scratch the imaging drum while cleaning the imaging unit and manual feed area. Scratches can permanently damage the drum and degrade the quality of your printed images.

Plate Feed Area Cleaning

3. Reassemble the Impressia and reconnect it to the power source.

Exterior Cleaning

Required Equipment:
- Water or mild detergent
- Clean, lint-free cloth

To clean the exterior of the Impressia.

1. Turn off your Impressia and disconnect it from the power source.

   Use only water or mild detergent for cleaning. To prevent discoloration, cracking, and deformation of the case, never use alcohol, ammonia-based cleaners, or other volatile cleaners on or around the Impressia. Never spray or pour solutions directly on the it. Always put the solution on the cloth and wipe the Impressia with the cloth.

2. Clean the Impressia's exterior using a clean, lint-free cloth dampened with water.

Exterior Cleaning

3. Give the Impressia a few minutes to dry thoroughly. Then, reconnect the Impressia to the power source.

Impressia Limited Warranty Policy

Xanté warrants that each Xanté Impressia Metal PlateSetter will be free from manufacturing defect in materials and workmanship for a period of one year from the date purchased from a Xanté Authorized Agent or 12,000 plates whichever comes first. Preventative maintenance parts, service parts and consumables such as imaging units and plates are warranted for 90 days as described in detail below. Customer may purchase an extended on-site warranty on the Impressia for a total of up to 4 (four) years from date of original purchase by contacting Xanté for terms and conditions.

Xanté will first provide technical support via telephone services needed to address customer questions concerning configuration setup, features and their function, operational capabilities, and specifications of the unit. Xanté Technical Support will troubleshoot any possible defects or malfunctions and provide verbal and/or written instruction for installing parts. User will be asked to install user installable consumables and parts to aid in the diagnosis. Xanté will provide unlimited phone technical support during normal working hours Monday through Friday, 7:00 a.m. to 6:00 p.m. Central Standard Time excluding recognized holidays. If Xanté determines that any part or component requires a trained technician to install or adjust, Xanté will dispatch a technician during the first six months of this 12 month Limited Warranty. During months 7 (seven) through 12 (twelve) of this 12 month Limited Warranty, the printer must be Returned To Factory. See CLAIM REQUIREMENTS below.

LIMITATIONS OF WARRANTY

Xanté's Limited Warranty does not apply to failures caused by: (a) Unauthorized alterations, changes, modifications or service; (b) Physical damage due to water, electrical, fire, or shipping damage; (c) Negligence; (d) Misuse; (e) Abuse; (f) Improper storage; (g) Improper site preparation; (h) Improper or inadequate maintenance; (i) Operating outside of the environmental specifications; (j) Use of non-supported media or consumables; (k) Use of customer supplied software, interfaces or peripherals; (l) Acts of war; (m) Acts of God; (n) Normal wear and tear; (o) Duty cycle abuse (p) Defacing, altering, or damaged beyond repair; (q) failure to follow instructions from Xanté, whether written, oral or outlined in Xanté's User's Guide, or any defect not specifically covered by this Limited Warranty.

Xanté may be held liable for the repair or replacement of the Impressia Metal PlateSetter at Xanté's discretion. Xanté may not be held liable for lost wages, or lost income resulting from any event such as defect or parts delay. Xanté shall not be responsible or liable for any special, incidental or consequential damages or loss arising from the use of this product, including but not limited to, lost profits, downtime, goodwill, damage to or replacement of equipment and property, and any cost of recovering, reprogramming or reproducing any program or data stored in or used by Xanté Corporation products.

EFFECT OF CONSUMABLES ON IMPRESSIA LIMITED WARRANTY

We recommend the use of Xanté consumables in your Impressia. Use of non-Xanté consumables can damage your Impressia PlateSetter and may void your Limited Warranty. Aspen metal plates and Imaging Units have been specifically designed for the Impressia PlateSetter. Any damages resulting from or repairs required, due to the use of plates or consumables, that are not specifically Xanté approved are excluded and must be repaired at the user's expense.

CLAIM REQUIREMENTS

Notify Xanté Technical Support Center immediately by calling 1-800-926-8393, 251-473-4920 or at www.xante.com/support. You will be required to provide your contact information, serial number and a brief description of the symptom to initiate your claim. During this process you may be required to create and ship samples and/or perform diagnostic procedures as instructed by technical support personnel. If the issue cannot be resolved over the phone or with a customer installable part, Xanté will arrange for a field service technician to perform needed repairs, where available.

If Xanté determines that customer installable parts will not resolve a technical issue, and the Impressia PlateSetter is within 150 miles of a trained technician, Xanté will arrange for a field service technician to come to your location. Field Service Technicians will confirm that parts have arrived before setting the earliest available appointment with the customer to complete the repair.

Service shall be performed during normal business hours, Monday through Friday, 8:00 a.m. to 5:00 p.m. Central Standard Time, excluding Xanté observed holidays. Service performed outside of the normal working hours at the request of the customer shall be subject to current charges for labor and travel.

Best effort will be made to have parts on site the next morning. Xanté technical support will then be available to assist over the phone with the parts installation if needed.

Additional charges for on–site service may apply to installations outside the 150-mile radius. Response times may be affected.

Pre-authorization by Xanté Technical Support is required before returning any item to the factory. A separate RGA number will be issued for each serial numbered Impressia PlateSetter being serviced.

After six months and before 12 months from the date of shipment, you may return the PlateSetter to the factory for warranty repair of any manufacturing defect. For shipment for warranty repair, Xanté must arrange freight.

PACKING INSTRUCTIONS: Xanté is not responsible for any part lost or damaged in transit for any reason. To prevent damages, Xanté recommends using the original packaging in the original shipping carton and pallet. If you do not have the original packing materials, contact Xanté Customer Service to order replacements. If shipping damage makes it impossible to verify the original warranty defect, Xanté will at its option, repair or replace the Impressia PlateSetter, based on the technical phone support provided prior to shipment.

Consumables and Parts – Xanté warrants service parts and consumables to be free from manufacturing defect for a period of ninety (90) days from the date of purchase, not to exceed one year from the date of shipment. To make claim under this Limited Warranty, contact Technical Support by calling 1-800-926-8393, 251-473-4920 or at www.xante.com/support. You will be asked to provide proof of purchase, the serial number of the Impressia , a problem description, plate samples as directed, and press output where applicable. Xanté Technical Support is equipped to evaluate most reported symptoms via the Internet or over the telephone. Where time will not allow for technical review, parts may be purchased in advance of diagnosis. Parts that prove to have a manufacturing defect will be credited to your account.

Warranted items may be returned at Xanté's expense pre-paid, if the defect is reported within 90 days from the date of purchase. Xanté will ship a replacement at no charge, the same day or as soon as possible, with the carrier of Xanté's choosing. If the parts are not returned or prove to have no manufacturing defect or prove to be good, an invoice for the replacement part will be due and payable in full. A replacement part, that has been issued for defect during the initial 12 (twelve) months, will carry the balance of the 12 Month Limited Warranty or no less than (90) days, whichever is longer.

THIS LIMITED WARRANTY IS THE SOLE AND EXCLUSIVE WARRANTY OFFERED ON THIS PRODUCT AND Xanté OFFERS NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY SIMILAR STANDARD IMPOSED BY APPLICABLE LEGISLATION. XANTE'S RESPONSIBILITY TO REPAIR, REPLACE OR OFFER A REFUND IS THE SOLE AND EXCLUSIVE REMEDY PROVIDED UNDER THIS LIMITED WARRANTY.

For additional information on obtaining service under this Limited Warranty or for information on other service options contact the place of purchase or contact Xanté directly at 1-800-926-8393 or 251-473-4920.

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Chapter 8 - Troubleshooting

Introduction

This chapter describes the Impressia's status messages and covers suggestions and solutions for some setup, image quality, plate, press, and jam issues.

Status Messages

Impressia front panel window messages provide Impressia status information and can help you determine the source of a problem or plate jam.

Calibrating	The Impressia is calibrating and warming up.
Cover Open	The Impressia top cover or exposure unit cover is not closed completely.
E:Fan	There is a hardware problem with the fan.
E:Motor	There is a hardware problem with the motor.
E:Scanner	There is a hardware problem with the scanner.
Imaging	The Impressia is completing an imaging job.
Imaging Unit Low	Toner in the imaging unit is low or needs to be redistributed.
No Imaging Unit	The imaging unit is either not in the Impressia or not seated in place.
Offline	The Impressia is off line. It cannot receive or process data.
Plate Jam	A plate jam has occurred along the plate path.
Processing	The Impressia is processing a job to image.
Register Plate	The Impressia is indicating that a plate needs to be fed into the input tray.
Test Print	The Impressia is processing a test print.
Waiting	The Impressia is processing a job and waiting to receive more data before imaging.

Resetting to Factory Defaults

You can reset factory defaults from the front panel and the Impressia's browser utilities. Use the front panel to do a Level 2 (partial reset) or a Level 1 (full reset) from the front panel. Use the browser utilities for a limited reset

Partial Reset (Level 2)

Level 2 resets Impressia options to factory default settings except for Impressia margins, gamma settings, IP network parameters, and More X-ACT settings. To do a Level 2 reset, Turn off the Impressia, hold down the Menu and Enter keys, and turn on the Impressia. Then, release the keys after Reset 2 appears in the window.

Full Reset (Level 1)

Level 1 resets all Impressia options to factory default settings. To do a Level 1 reset, turn off the Impressia, hold in the Reset and Enter keys, and turn on the Impressia. Then, release the keys after Reset 1 appears in the window.

Browser Reset

The Reset Factory Defaults feature available through the Impressia's browser utilities is limited. It only allows you to reset the PlateSetter name, the EtherTalk zone, and the PostScript margins and to enable DHCP.

If you enable DHCP, it could affect the IP address.

Power and Setup Issues

This section provides tips for resolving problems power and setup issues.

My Impressia has no power.

- Make sure the power cord is plugged into the Impressia and the power source.
- Make sure the Impressia is turned on.
- Make sure the power source is grounded, working, and rated for 220-240 VAC (198-264V), 3.2 Amps.

My Impressia does not respond properly to my host using an Ethernet connection.

- Make sure all cables are connected and seated properly.
- Make sure the correct Adobe PostScript printer driver and your Impressia's PPD are installed and configured properly.
- Make sure the Impressia's Ethernet interface is configured properly for your operating environment.
- Make sure the Macintosh or PC is configured properly to communicate using the Ethernet connection.
- Make sure the Impressia is on line.
- Make sure the network is available. Try using the ping command to your Impressia's address.
- Reduce the number of items on the network to determine the problem's source.
- Make sure that you are using a crossover or UTP test cable if you are using twisted pair cable to direct connect an Impressia and a Ethernet configured host without a hub.
- Do not use a transceiver that allows devices to daisy chain on a twisted pair network.

When I output a scanned image, it is so dark that most of the detail is lost.

- Rescan the image with a higher resolution. Generally, black and white images should be scanned at a resolution of two times the line screen desired on the imaged output. Multiply this number by the ratio of the imaged output size to the original image size.

  SR = Print Image LPI x 2 x Image Size Ratio

  SR = the Scan resolution

  Image Size Ratio = printed image size/original image size

  For example, for a line screen of 95, set the scanner resolution to 190 dpi (95 x 2). To output the same image at 75% of its original size, set scanner resolution to 142 dpi (95 x 2 x .75).

  Scanning the image at a lower than optimum resolution results in less detail. Scanning at a higher resolution increases file size and processing time, and it may only slightly increase the amount of detail.

Image Quality Issues

This section provides tips for resolving Impressia output quality problems.

Imaging Unit Control

If your Impressia does not produce the expected rich, black images, try adjusting the laser power and density before replacing the imaging unit.

Adjusting Density

You can increase or decrease the amount of toner laid down by the Impressia using in two ways. Use the laser power dial to make large adjustments and then use the density dial for fine tune adjustments. This section covers the density dial fine tuning adjustments

Imaging with too high a setting shortens the life of the imaging unit and may degrade image quality.

To adjust the density dial

1. Open the top cover.

Open the Top Cover and Adjust Density Dial

2. Turn the dial toward the H (Higher density) to darken the image or toward the L (Lower density) to lighten the image.

3. Close the top cover.

Check the density dial when you replace an imaging unit. The setting required for the previous unit may be too high or too low for the new unit.

Miscellaneous Image Quality Issue

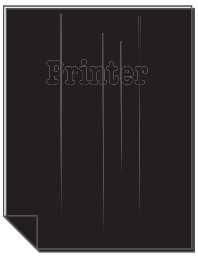
The solid black on the image or text is washed out.

- The plate may be damp or otherwise damaged. Make sure it meets the requirements in chapter 6. If necessary, replace the plate.
- The toner may have settled in the imaging unit. Remove and shake the unit gently to redistribute the toner. Then, reinstall the unit in the Impressia
- The laser power dial and density setting may need adjustment.
- Toner may be low in the imaging unit or the unit may need replacing.

Random black dots appear on the imaged plate.

- The plate may not meet the requirements in chapter 6. If necessary, replace the plate.
- The imaging unit may need replacing. See chapter 1 for details
- The CPT dial setting and possibly the Humidity dial setting may need adjusting. Normally, you only have to adjust the CPT dial to control toning. Occasionally, if you can't get a clean plate by adjusting this dial, also reduce the humidity dial setting in increments of two until you get a clean plate. See chapter 5 for dial details.

Vertical black streaks on the imaged plate.



- The imaging unit may need replacing. See chapter 1 for details.

Repetitive defects appear on the imaged plate.

- The media path may be dirty. If necessary, clean the Impressia; see chapter 7 for details.
- Toner may have settled in the imaging unit. Remove, shake the unit gently to redistribute the toner, and reinstall the unit into the Impressia.
- The imaging unit may need replacing. See chapter 1 for details

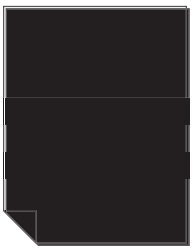
Some characters are missing or only partially imaged.

- The plate may not meet the requirements in chapter 6. If necessary, replace the plate.
- The imaging unit may need replacing.
- Check for piece of plate or an obstruction to the scanner.

Toner on the imaged plate smears when rubbed.

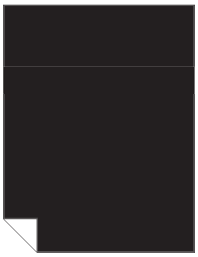
- The plate may be damp or otherwise damaged. Make sure the plate meets the requirements in chapter 6. If necessary, replace the plate.
- The Exposure dial setting may need to be turned up.
- The exposure unit may not be working properly and may need to be replaced. Contact Xanté Technical Support for details.

Instead of my image (or text), the output is a blank page.



- The sealing tape may not be pulled out of the imaging unit. Remove the unit and pull out the tape.
- The density setting may need adjustment.
- The imaging unit may need replacing.

Instead of my image (or text), the output is a solid black page.



- The density setting may need adjustment.
- The imaging unit may need replacing.

Blank areas appear in my image (or text).

- The plate may be damp or otherwise damaged. Make sure the plate meets the requirements in chapter 6. If necessary, replace the plate.
- The sealing tape may not be pulled completely out of the imaging unit. Remove the unit and pull out he tape.

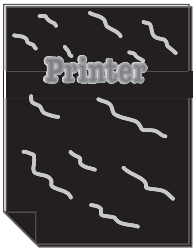
The image is smudged or small spaces are plugged.

- The plate may be damp or otherwise damaged. Make sure it meets the requirements in chapter 6. If necessary, replace the plate.
- The laser power and density dial may need adjusting.
- The imaging unit may need replacing.
- The density may be set too high.

Vertical blanks appear on my image (or text).

- The imaging unit may not be properly installed. Reinstall it.
- The imaging unit may need replacing.
- Check for pieces of plate or an obstruction to the scanner.

The image is blurred on the output.



- The density setting may need adjustment.
- The imaging unit may need replacing.

Bold print appears shaded on the output.

- The density setting may need adjustment.
- The imaging unit may need replacing.

Horizontal banding appears on the imaged output.

- Dust, toner, and debris may have accumulated inside the Impressia. Clean the Impressia.
- The plate may be damp or otherwise damaged. Make sure it meets the requirements in chapter 6. If necessary, replace the plate.
- Toner may have settled in the imaging unit. Remove and shake the unit gently to redistribute the toner. Then, reinstall the unit.
- The density setting may need adjustment.
- The CPT setting may be too high.
- The Impressia settings or the application settings may need adjustment for the image.

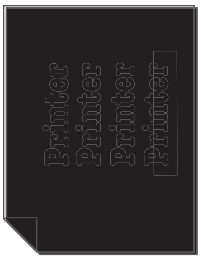
- The line screen may need to be adjusted in your application. Lowering the line screen (at a set resolution) produces larger dots and more levels of gray, which result in a more accurate image representation.

- The imaging unit may need replacing.

Only a portion of my document imaged.

- Make sure the margins in your application fit within the imageable areas. If you try to image outside the imageable area, many applications issue a warning message, giving you an opportunity to make changes; however, some applications clip the image and image the page.

My image is clipped when I image it.



- Make sure the document size in your application's Page Setup matches the document size specified in the Print dialog box.

Plate and Press Specific Issues

This section addresses plate and press specific issues.

Stray toner particles appear on the final press output.

- The CPT and Humidity dial settings may need adjusting. Normally, you only have to adjust the CPT dial to control toning. Occasionally, if you can't get a clean plate by adjusting this dial, also reduce the humidity dial setting in increments of two until you get a clean plate. See chapter 5 for dial details.

- Static electricity can cause extra toner particles to adhere to the plate before imaging. Environmental humidity and temperature affect static electricity buildup. Make sure the areas where plates are used or stored meet the humidity and temperature environmental requirements set for the Impressia PlateSetter.

- Check the Impressia's density dial setting and reimage the plate.

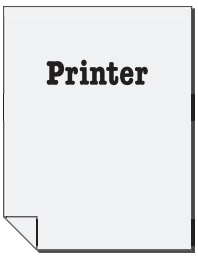
Inking up occurs, or a dried-in or flooded image appears on the final press output.

- Inking up can occur when ink rollers come into contact with a dry plate. Rewet the plate with water and restart the press. If this does not resolve the problem, rewet the plate with straight fountain solution.

- A dried-in image is caused when inking up occurs and is allowed to dry on the plate. Wash the plate with water and restart the press. If this does not resolve the problem, rewet the plate with straight fountain solution.

- A flooded image is the result of an overload of ink on the plate. Incorrect water to fountain ratio can cause this. Increase the concentration of fountain solution in the fountain/water mixture.

A slight tint appears on the entire page except for a small strip of approximately .25" (6 mm) at the top.



- If the tint appears on the plate, check the Impressia's density setting and reimage a new plate.
- Adjust the CPT dial. Clean Plate Technology allows you to control toning and scumming which can tint the page. Raise the CPT setting to lighten the page. See chapter 5 for CPT dial details.
- If the tint appears on the final press output, but not the plate, check the wetting solution mixture.
    - Decrease the fountain solution concentration in the wetting mixture to 1:32.
    - Check the pH of the fountain solution and adjust, if necessary. Optimum range is 4.5 to 5.5.
    - Use an alcohol substitute, such as Varn Laser Etch 1000, instead of alcohol. Although you can use up to a 5% alcohol solution with Aspen Metal Plates, the alcohol may cause premature ink breakdown.
    - Check the alcohol or alcohol substitute to water ratio. The ratio should be no greater than 32:1. Add fountain solution to lower the alcohol or alcohol substitute percentage.

Spaces around characters in the text are being plugged after 50 to 100 impressions are run.

- This might be caused by an incorrectly mixed wetting solution.
    - Decrease the fountain solution concentration in the water mixture.
    - Remix the fountain solution, using the manufacturer's suggested ratio.
- Laser Power and Density dial settings may need adjustment. You can increase or decrease the amount of toner laid down by the Impressia using the laser power dial to make large adjustments and the density dial for fine tune adjustments. Decrease these setting slightly to reduce plugging.
- This might be a problem with the blanket.
    - Check the plate to blanket pressure. The stripe should be .125" (3 mm) across the width of the plate.
    - Clean the blanket with fountain solution to remove alkaline residues from coated and parchment stocks.

Mechanical Issues

This section provides tips for resolving problems with the Impressia's mechanical setup.

My Impressia is making funny noises.

- Make sure the Impressia is set up on a stable, level surface.
- There may be a foreign object in the Impressia PlateSetter. Turn off the Impressia and remove the object.
- New imaging units can squeak until approximately 50-100 plates have been run through the Impressia.

My plate skews and gets jammed as it exits the Impressia.

- When feeding a plate into the Impressia, make sure the plate fits snug into the groove on the left side and the plate guide on the right side.

Make sure plates are in good condition; a bent edge can jam and damage the Impressia.

Plate Jams

This section contains suggestions for solving plate jam problems.

Preventing Jams

Use the following guidelines to prevent most plate jams.

- Make sure the Impressia is level and in an appropriate location.
- Make sure plates meets the guidelines in chapter 6.
- Make sure plates are stored following the guidelines in chapter 6.
- Make sure the plate is loaded properly in the input tray.
  - Load and image only one plate at a time.
  - Make sure the correct size plate is loaded in the input tray.
  - Make sure the plate guide fits against the plate so that the guide keeps the plate feeding straight into the Impressia without restricting the plate's movement.
  - Follow the guidelines for the plates in chapter 6.
  - Make sure the plate is loaded according to the procedures and guidelines in chapter 6.
- Run a single plate at a time and remove that plate from the output tray before running the next plate.
- Remove any plate in the input tray before turning on the Impressia. Reinsert the plate when the Impressia displays the Ready message.
- Use only a Xanté Impressia imaging unit.
- Use only Xanté Aspen Metal Plates.
- Keep the Impressia clean.

Locating Jams

Plate jams occur along the plate path in the areas illustrated below.

Always remove a jam by pulling the plate out in the direction of the plate feed. Impressia damage caused by improper jam removal is not covered by your Impressia's warranty.

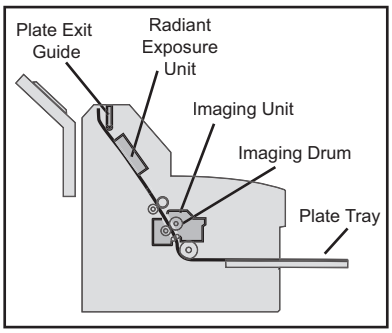


Plate Path

Clearing Jams

This section describes removing plate jams from specific locations.

Always remove a jam by slowly and carefully pulling the plate out in the direction of the plate feed. Impressia damage caused by improper jam removal is not covered by your Impressia's warranty.

Clearing a Input tray Jam

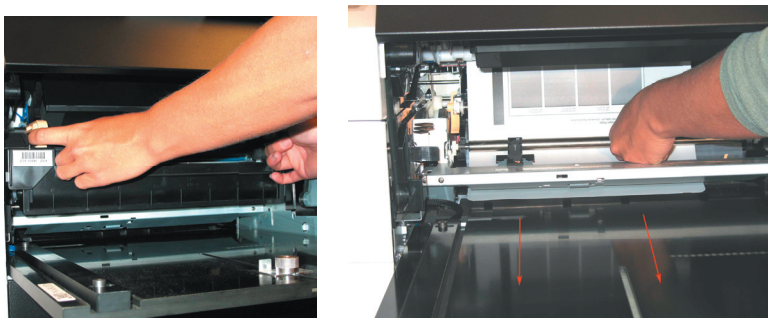
1. Squeeze the handle on the top cover to release its lock, and then lift the top cover

   If there is a plate in the output tray, remove it before lifting the top cover.

Open Top Cover

2. Remove any plate in the input tray.

3. Remove the imaging unit from the Impressia by grasping the unit by the handles on the top and pulling it slowly out of the Impressia.



Remove Imaging Unit and Remove Jam from Input tray

   Once you begin pulling the imaging unit out of the Impressia, remove the unit completely. The drum shutter may not open properly if the unit is pulled out partially and then pushed back in. This can damage the imaging unit or result in a malfunction.

   Place the imaging unit flat on a level surface. To prevent stains, protect the surface with old newspaper or a cloth. Also, always place the unit in the original bag or wrap it well to protect it from light when it is out of the Impressia.

   Always remove a jam by pulling the plate out in the direction of the plate feed. Impressia damage caused by improper jam removal is not covered by your Impressia's warranty.

4. Remove the jammed plate from the input tray in the feed direction.

Clearing an Exposure Unit Jam

The exposure unit becomes very hot during operation. Do not touch any area with a high-temperature warning label without first turning off the Impressia and allowing it to cool for at least 20 minutes.

When the Impressia is turned off, all job information still in memory is lost.

1. Loosen the two thumb screws on the exposure unit cover; then, open the cover by pulling it up and toward the back of the Impressia.

Open Exposure Unit Cover and Remove Jam

Always remove a jam by pulling the plate out in the direction of the plate feed. Impressia damage caused by improper jam removal is not covered by your Impressia's warranty.

2. Remove any jammed plate from the exposure unit area.

3. Close the exposure unit cover and tighten the thumb screws to hold the cover in place.

Technical Support

If you encounter problems that cannot be resolved by following the procedures in this manual, you may call Xanté's Technical Support at 800-926-8393 (US and Canada), +31-(0)26-319.32.10 (Europe). From other areas, call your Impressia dealer.

Depending on your service agreement, there may be a charge for Technical Support.

To assist our technicians in serving you more effectively, please have the following information available when calling for Technical Support.

- Impressia PlateSetter's serial number (on the Xanté sticker on the back of the Impressia)
- Impressia PlateSetter ROM version (Press the Online key for 5 seconds; the version appears in the window.)
- Your computer type and operating system (version number)
- Configuration menu settings for your Impressia interface
- Applications (including version numbers) you are using
- Full description of the problem
- List of error or status messages if applicable

Also, you can fax questions to Xanté's Technical Support at 251-473-6503. Include your name, your company name, and the troubleshooting information listed earlier in this section. Indicate whether you wish the response to be faxed or emailed and include the appropriate number or address.

If you have internet access , you can access Xanté's web page at www.xante.com. From this site, you can download drivers, software, and PPDs as well as access other technical information. You also can email questions to Xanté Technical Support.

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Glossary

2-Up/4-Up/8-Up
The number of 8.5" x 11" pages capable of being imposed on a larger press sheet. Also, a designation of the size of the CTP platesetters.

10/100BaseT
An IEEE Ethernet cabling standard using UTP (unshielded twisted pair) cable. The prefix of the name, 10/100, defines the transmission speed of the cable as *10* or *100* Megabits per second; *Base* indicates that the signal is a baseband transmission; and *T* indicates the cable type (twisted pair). See also *Unshielded Twisted Pair.*

Ablative Process
A laser “blasts” the non-image surface away leaving the image area intact on the plate. Plates using the ablative process are process-free or chemistry-free and have run lengths up to 100,000 impressions.

AM Screening
Amplitude Modulation Screening. A screening technology that uses a grid to arrange halftone dots. The dots are variable sizes with equal spacing between the dots. See also *FM Screening*.

Analog Workflow
Tradition un-automated workflow where a series of consecutive and concurrent production tasks are performed with maximum human intervention.

AppleTalk Network
Multiple computers and/or peripheral devices which are connected and adhere to the AppleTalk communication protocol.

Application Software
Any software program, such as a desktop publishing program, word processing program, graphics program, or any program that is installed in your computer system.

Aspen Metal Plates
Xanté’s metal-based offset printing plate media specifically designed for Xanté's Impressia PlateSetter. Aspen Metal Plates go directly from the Impressia to press, eliminating many traditional print shop steps, such as paste-up, negatives, halftone stripping, and plate burning.

Automatic Processor
A machine to develop, rinse, gum, and dry a metal plate.

Banding
Three meanings: 1) visible changes of shading in a gradient print; 2) lines that appear in a printed image due to ink drying between print passes; 3) the method of processing image data in sections.

Bitmapped Image
An image created by placement of individual dots or pixels on a grid. In contrast, vector images are created by specifying the point locations and the description of the lines between these points.

Blanket
On offset presses, a fabric-reinforced sheet of rubber to transfer the impression from the plate onto the paper.

Bleed
An image printed beyond the page margin, so that when trimmed to size, the image extends to the edge of the sheet. A full bleed is an image which extends to all four edges of the sheet.

Blind Image
An image on a plate that has lost its ink receptivity and fails to print.

Buffer
A temporary data storage area. For example, a printer buffer holds incoming data waiting to be processed for printing.

Burn
A common term used for a plate exposure.

Calibration
The measurement and adjustment of hardware output against a standard value set to ensure that output is predictable.

Chemistry
A term to describe the composition of a processing solution.

Chemistry-Free
Creating, imaging, and developing a CTP plate without the need for any special chemistry. The most common types of CTP chemistries are developers, activators, stabilizers, and gums.

CPT (Clean Plate Technology)
Xanté technology built from the ground up to create a perfect plate with no cleaning or special etch required.

Coated Paper
Paper coated with clay, white pigments, and a binder.

Coating
Substances applied during the plate manufacturing process to react to light and produce a latent image. Older technology coatings are asphalt, shellac, albumin, casein, and gum arabic. Newer technology coatings are diazo compounds and photopolymers.

Computer To Plate (CTP)
An automated digital process that produces plates directly from computer files and eliminates the need for have a separate film-to-plate exposure system.

Controller
A device that converts application data into printer data.

Crop Marks
Markings at edges of an original image or on a guide sheet to indicate the area for printing or where the image is to be trimmed to the desired size.

Custom Dot Gain Calibration
Xanté technology that provides densitometer support to calibrate a Xanté product's output for specific inks, media, and environmental conditions. See also *Dot Gain* and *Dot Gain Calibration*.

Daylight Safe Handling
Normal office light handling.

Desensitizer
A chemical treatment to make non-image areas of a plate repellant to ink.

Default Settings
Values or settings used by your Xanté Impressia, if no other direction is received from an application. Default settings can be changed using the Impressia PlateSetter's front panel and some settings can be changed through browser utilities. See also *Factory Default Settings*.

Densitometer
A device that produces a set light source and measures the transmission of light through or reflection of light from a surface compared to a common density standard.

Density
A measurement of the transmission of light through or reflection of light from a surface. For example, the thicker (denser) the ink, the less light it reflects.

Developer
A chemical used to remove the unexposed coating on a plate.

DHCP
Dynamic Host Configuration Protocol. This protocol allows you to assign a dynamic IP address to a network device.

Dot Gain
The result of media absorbing ink which causes the ink to spread out rather than forming a crisp, precise pattern. This gives the appearance of a "gain" in value of the tint. For example, an 80% magenta tint may appear to be 83% because of dot gain. See also *Tint*.

Dot Gain Calibration
Xanté technology that provides gamma control to adjust image grayscale values to help compensate for dot gain. See also *Dot Gain* and *Custom Dot Gain Calibration*.

Downloaded Font
A font that has been transferred to the memory or hard disk of an Impressia.

DPI
Dots Per Inch. The number of dots that can be produced vertically or horizontally in an inch. In this manual's context, it is a measurement of the resolution of an Impressia. See also *Resolution*.

Electrophotographic Imaging
Utilizes xerographic processes, photoconductors, and toners to make lithographic plates.

Electrostatic Plates
Plates for high speed laser printing using zinc oxide or organic photoconductors.

Enhanced Screen Technology
Xanté technology that optimizes the line screen for an image. The line screen is based on the Impressia PlateSetter's resolution and the number of gray levels selected. See also *Line Screen*.

Ethernet
Specification for the physical and data link layers of the OSI Reference Model. Originally developed by Xerox and jointly promoted by DEC, Intel, and Xerox (DIX) for local area networks, Ethernet was adopted by IEEE as the basis for the 802 networking standards.

EtherTalk
The AppleTalk protocols transmitted over Ethernet media.

Exposure
A step in photomechanical processes during which light or other radiant energy produces an image on a photosensitive coating.

External Drum
A hardware configuration of a platemaking device using a cylinder where the plate is exposed outside of the cylinder. See also *Internal Drum*.

Factory Default Settings
Settings programmed into the Impressia at the factory, such as English as the default display window language. Impressia default settings can be changed using the front panel and, in some cases, Xanté browser utilities. See also *Default Settings*.

FM Screening
Frequency Modulation Screening. A screening technology where the dot size remains the same, but the number (frequency) of dots is increased or decreased to create the desired effect. Also known as Stochastic (random) screening. See also *AM Screening*.

Font
In desktop publishing, font often is used interchangeably with the term "typeface." However, a font is a typeface subset in a particular point size and style. See also *Typeface*.

Font Accelerator
Xanté technology which sets aside a percentage of available RAM disk to store fonts. When enabled, Font Accelerator automatically loads the most recently used fonts into RAM disk for faster access by the printer. See also *RAM Disk*.

Footprint
The size or area of a machine's space requirement.

Gamma Curve
A graphical representation of the relationship between input and output values of a device, such as a monitor or platesetter. If the device reproduces (outputs) the exact values requested (input), the graph is a straight line.

Gamma Correction
The process of changing a device's gamma curve by adjusting midrange grayscale values without altering black shadow and white highlight values at each end of a gray scale.

Gateway
An electronic device that connects two networks, each of which operates with a different set of protocols, such as AppleTalk and EtherTalk.

Gauges (Mil/Thickness)
The thickness (or gauge) of plate or other media usually expressed in thousandths of an inch (or mils). Aspen Metal Plates are 6 mil.

Ghosting
A faint repetition of a pattern produced during imaging.

Grayscale
A media test strip starting with a 100% black swatch and progressing through lighter gray tints usually in 5% or 10% increments to 0% black (white). See also *Levels of Gray*.

Gum Arabic
Used in platemaking and on press to protect the non-imaging areas of plates.

Gumming
The process of applying a thin coating of gum to the non-printing areas of a lithographic plate.

Halftone
A method of producing the appearance of smooth gradations of color by imaging dots of various sizes at constant intervals on a grid. In imaging, the dots are actually halftone cells, which are, themselves a grid of imaged dots. The size of the halftone is varied by imaging or not imaging dots within the halftone cell.

Hard Disk
A storage medium made up of a magnetic disk or disks (platters) sealed into a drive or cartridge. An optional internal hard disk is available for the Impressia.

Highlight Dot
The highest density of a halftone image.

IDE
Integrated Drive Electronics. A standard used to integrate a hard disk with a controller board. The Xanté Impressia PlateSetter can be configured with an optional internal IDE hard disk.

Imageable Area
The area on a page that the Impressia can access for imaging. For example, an 11.00" x 17.00" (279 mm x 431 mm) page has an imageable area of 10.82" x 16.85" (275 mm x 428 mm).

Imagesetter
High resolution, large format device for producing film from electronically generated page layouts.

Image Density
The relative darkness or lightness of the image on the page. The Impressia's density can be changed via its Laser Power dial or its Density dial.

Imaging Unit
The Impressia's imaging unit is a custom consumable that combines the dry toner and imaging drum. This unit is not compatible with any other Xanté imaging devices.

Imposition
The positioning of pages on a signature so that after printing, folding, and cutting, all pages will appear in the proper sequences.

Impressia Margin
Imageable area of the Impressia (not the margin setting within an application). The portion of a page to which an Impressia can apply toner is the imageable area of that page.

Impression
Product resulting from one cycle of the imaging machine.

Infrared Laser
A type of laser used to image a metal plate.

Interface Cable
A cable that physically connects two computer devices so that they can communicate. For example, a CAT 5 Ethernet cable is used to connect the Impressia to a host computer.

Internal Drum
A hardware configuration of a platemaking device using a cylinder where the plate is exposed inside the cylinder. See also *External Drum*.

Landscape Orientation
A page format that is larger horizontally than it is vertically. The term comes from painting when artists paint "landscapes" across the wide dimension of the canvas. See also *Portrait Orientation*.

Levels of Gray
The number of shades (tonal changes) of gray in a halftone image. The number depends on the line screen and imaging resolution used. The higher the number, the smoother the image looks during the transition of dot sizes. See also *Grayscale* and *Line Screen*.

Line Screen
The screen frequency or the number of rows of halftone dots in an inch. The line screen and imaging resolution determine the levels of gray produced in an image. The line screen is inversely proportional to the levels of gray produced. If the resolution is held constant, increasing the line screen decreases the levels of gray possible in an image.

Linearization
Calibration of equipment to a linear standard so that the output value (of color or gray tone) equals (matches) the input value.

LPI
Lines Per Inch.

Makeover
A plate that is remade.

Margin
Non-imaged space around the edge of a page.

Midtone Dot
Commonly taken as the area between the highlight and shadow area in a halftone image.

More X-ACT
Xanté patented technology that allows you to calibrate imaged line lengths and correct inaccuracies in imaging width, height, and skew. More X-ACT (Xanté Accurate Calibration Technology) is available on the Impressia through the Impressia's browser utilities. See also *X-ACT* and *Registration*.

Network
Computer devices (Macintoshes, PCs, PlateSetters, etc.) linked together by cables and able to communicate with each other using one of many network operating standards (such as Ethernet).

Off Line
The Impressia is not accepting data from the host computer. The On Line key LED is not lit.

Offset
Lithography indirect imaging method in which the inked image of the press plate first images onto a rubber blanket that then offsets onto the sheet of paper.

On Line
The Impressia is ready to accept or is accepting data from the host computer. The Online key LED is lit. The Impressia *has* to be on line to accept and to image a job.

Out of Register
When two sheet passes are misaligned.

Output
Computer generated information in its final form. For example, Impressia output is an imaged copy of the information on a plate. Monitor output is the projected image of the data on screen.

PDF File
Portable Document Format or Printer Description File. The Portable Document Format file is one that has been converted into a format which can be read by any system without requiring the original program that created it. The Printer Description File is a file that provides Impressia specific information needed by QuarkXPress (versions prior to 4.0) to work smoothly with the Impressia.

Peripheral
A piece of equipment or device connected to a computer. For example, platesetters, modems, and scanners are forms of peripheral devices.

Pica
Standard of measurement 1/6 inch = 1 pica (6 picas = 1 inch, 72 points = 1 inch).

Point Size
Term used to describe a font's size. One point equals 1/72 of an inch.

Port
A receptacle on a computer or platesetter through which data can be sent or received.

Portrait Orientation
A page format that is larger vertically than it is horizontally. The term comes from painting when artists paint "portraits" on canvases that are taller than they are wide. See also *Landscape Orientation*.

PostScript
A page description language developed by Adobe Systems. The Impressia contains the Adobe Postscript language, not an emulation.

PPD File
PostScript Printer Description file. A file which provides software applications access to Impressia specific features. Options set using the PPD override Impressia default settings made from the front panel or through the browser utilities.

PPH
Plates Per Hour. The speed designation (throughput) of a Computer-To-Plate device. Speeds vary by resolution, media types, and processing conditions. Xanté uses inches per minute. Some manufacturers use Scan Lines Per Second to quantify the speed.

Presensitized Plate
A metal, film, or paper based plate that has been pre-coated with a light-sensitive coating. Also referred to as a photosensitive plate.

Printer Driver
A file that enables the application program to communicate with the Impressia. Usually this driver is installed within an application program.

Protocol
A set of rules used to control how data is sent between devices. The Impressia's Ethernet is a multiple protocol (EtherTalk, IP, LPR, APPSocket, and TCP/IP) medium. See also *TCP/IP*.

Queue
In this manual's context, the imaging jobs on the hard disk or RAM disk waiting to be imaged.

RAM
Random Access Memory. RAM is volatile memory available to programs and documents. Any information stored in RAM is lost when the computer's power is turned off.

RAM Disk
A percentage of available RAM set aside to store data temporarily for faster system access. The Impressia allows you to specify a RAM disk to store fonts.

Raster Image
An image composed of pixels or dots in a grid. See *Bitmapped Image* and *Vector Image.*

Reboot
In this manual's context, a command which sends a PostScript file to the Impressia directing it to reload the system software.

Registration
Exact alignment of plates to image a crisp, clear, image. See also *X-ACT*.

Resident Typefaces
Typefaces stored on the Impressia's hard disk(s), RAM, or ROM. Resident typefaces allow the Impressia to produce a job without accessing the host computer for typeface descriptions.

Resist
A light-hardened stencil to prevent etching of non-printing areas on plates.

Resolution
A measure of the image detail produced by a device. Device resolution is measured in dots per inch (dpi). The Impressia features 2400 x 2400 dpi resolution. See also *DPI*.

RIP (Raster Image Processor)
The part of an output system that converts image data or page description information into a bitmap format (by assigning each pixel its on or off value).

ROM
Read Only Memory. ROM is permanent memory. Information in the computer's ROM is retained even when the power is turned off.

Screening
In this manual's context, the various methods used to simulate continuous tone images on an Impressia by varying the size, shape, or frequency of the dots imaged on the plates.

Screening Technologies
Different technologies used to produce photographs of varying quality. See *AM Screening* and *FM Screening*.

Scumming
The build up of a thin layer of ink on a press that prints on the final output in the areas which were not imaged on the original plate.

Shadow Dot
The lowest density of a halftone image.

Spot color
A single color assigned to a specific graphic or text image area and imaged without color separation.

Step-and-Repeat
A process/machine where multiple images are burned on a plate in a pre-determined sequence.

Style
Defines a typeface in terms of weight, slant, and proportion.

Start-up Page
A setting on most Xanté products that prints a page with basic device information such as the product name, page count, RAM size, and hard disk setup.

TCP/IP
Transmission Control Protocol/Internet Protocol. A set of protocols designed to connect different types of networks. See also *Protocol*.

Throughput
The speed which plates are output from a platesetter.

Tint
A single shade of color or gray such as 10% gray or 20% magenta.

Toning (Toner Scatter)
When stray particles of toner appear on final output. Static electricity causes extra stray toner particles to adhere to direct plate media before imaging.

Transfer Curve
Files which describe the difference between Impressia output and a color standard. Transfer curves are used to adjust the Impressia output for hardware, ink, and plate anomalies to produce predictable, standardized output.

Transmission Protocol
See *Protocol*.

Trapping
The process of slightly overlapping colors of adjoining images to prevent a thin white line (misregistration) from appearing between the images.

Typeface
A typeface is a set of characters. The characters in a typeface all have three things in common: family, style, and character set. See also *Font*.

Unshielded Twisted-Pair Cable
A commonly used IEEE Ethernet cabling standard. UTP, or 10/100BaseT, consists of two insulated copper strands twisted about each other to reduce outside interference signals. UTP cable, which is used to create star networks, is relatively inexpensive, easy to install, easy to modify, and already may exist in many installations as part of the telephone network. See also *10/100BaseT*.

Vector Image
An image composed of a mathematical description of lines, curves, and geometric shapes. See *Bitmapped Image* and *Raster Image.*

Visible Light
A plate exposure technology where a violet, green, or red diode laser light casts an image on a plate.

Volatile Parameters
Impressia parameters which only last during the Impressia's current power cycle. For example, the PostScript parameter *jobname* specifies the name of the current imaging job being processed.

Waterless Plate
A plate with a silicone rubber coating in the non-image areas that is printed on an offset press without dampening solution. These plates require extensive cooling mechanisms while being run on press.

Wipe-On Plate
A plate on which a light-sensitive coating is wiped on or applied with an in-plant coating machine.

X-ACT (Xanté Accurate Calibration Technology)
Xanté patented technology that allows you to calibrate imaged line lengths and correct inaccuracies in imaging width and height. This is critical when imaging color separations and other jobs where pinpoint accuracy is essential for registration. The Impressia features front panel X-ACT. See also *More X-ACT* and *Registration*.

X-HEIGHT
The height of a lower case letter without an ascender or descender in a typeface.

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